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ILLINOIS RIVER SYSTEM - WATER QUALITY CONDITIONS. PART II. TABLES. CHAPTERS 2 AND 3.

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REPORT

on the

ILLINOIS RIVER SYSTEM

WATER QUALITY CONDITIONS

Part II Tables

Chapters 2 and 3

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Division of Water Supply and Pollution Control
Great Lakes-Illinois River Basins Project

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TABLE II-1

MUNICIPAL WATER SUPPLY DATA SUMMARY - ILLINOIS RIVER BASIN
SUBBASINS 1 THRU 15 PLUS LAKE MICHIGAN SUBBASIN 16

Subbasin No.	Subbasin	1960 Population	Estimated Pop. Served (Total)	Estimated Pop. Served (Surface)	Est. Pop. Served (Wells)	Est. Usage MGD (Surface)	Est. Usage MGD (Wells)	Total Est. Usage (MGD)
1	North Branch Chicago River	3,924,385	3,941,987	3,929,187	12,800	970.608	0.996	971.604
2	Illinois River System and Minor Trib. (Lake Michigan to Confluence Kankakee River)	222,666	223,801	97,512	126,289	27.471	10.143	37.614
3	Cal-Sag Channel & Tributaries	652,113	620,431	472,578	147,853	70.200	13.789	83.989
4	Des Plaines River	805,346	807,356	426,574	380,782	53.369	37.117	90.486
5	DuPage River	124,468	112,911	-	112,911	-	8.295	8.295
6	Kankakee River	145,854	165,727	55,781	109,946	8.228	10.479	18.707
7	Fox River	370,563	352,927	-	352,927	-	35.989	35.989
8	Vermilion River	43,896	48,384	29,795	18,589	4.280	1.781	6.061
9	Mackinaw River	23,761	23,650	2,540	21,110	0.225	1.847	2.072
10	Spoon River	55,398	55,465	14,555	40,910	1.454	2.907	4.361
11	LaMoine River	31,174	31,175	21,585	9,590	1.485	0.828	2.313
12	Sangamon River	300,613	346,625	242,115	104,510	32.107	10.727	42.834
13	Macoupin Creek	18,235	18,255	8,000	10,255	0.647	0.478	1.125
14	Ill. River & Minor Trib. (Kankakee R. to Spoon R.)	275,375	335,440	44,400	291,040	5.130	31.279	36.589
15	Ill. River & Minor Trib. (Spoon R. to Grafton, Ill.)	51,009	51,020	29,260	21,760	3.315	2.255	5.570
	TOTALS	7,044,856	7,135,154	5,373,882	1,761,272	1,178.699	168.910	1,347.609
16	Lake Michigan Subbasin 16	288,322	260,060	229,265	30,795	25.001	2.376	27.377

TABLE II-2b

NORTH BRANCH CHICAGO RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
LAKE COUNTY - ILLINOIS						
Deerfield*	Lake Mich.	11,786	(PD)	12,000	1.500	*From Highland Park
Gt. Lakes Naval Tr. Sta.	Lake Mich.	39,000	PD	39,000	5.750	
Highland Park	Lake Mich.	25,532	PD	37,500	4.930	Serves Deerfield & Bannockburn
Highwood	Lake Mich.	4,499	PD	4,500	0.360	
Park City Trailer Park	Wells	1,408	None	1,400	0.140	
1 Community less than 1,000*	Lake Mich.	386	(PD)	400	0.040E	*From Highland Park
2 Communities less than 1,000	Wells	280		300	0.030E	
SUBTOTALS		82,891		95,100	12.750	
TOTALS FOR SUBBASIN		3,924,385		3,941,987	971.604	

(1) Includes 904.967 M.G.D. to consumers in Chicago plus some 9.775 M.G.D. served to non-municipal consumers outside the City, such as industries, parks, schools, individual houses, etc. As these could not readily be broken down by Sub-basin, they have been lumped under the North Branch Chicago River Sub-basin for convenience. The Chicago Water Works also serves some 58 suburban communities, the statistics on which are listed separately in their particular Sub-basin. These total some 810,000 population served and a water usage of some 113.213 M.G.D. The total estimated population served by the Chicago Water Works is 4,360,000 and the total water usage is 1,028.0 M.G.D.

(2) These communities are physically located in the Lake Michigan Basin but their sewage is discharged to the North Side (MSD) treatment plant in the North Branch Chicago River Sub-basin.

TABLE II-3a

MUNICIPAL WATER SUPPLY DATA - ILLINOIS RIVER & MINOR TRIBUTARIES
SUBBASIN NO. 2 - LAKE MICHIGAN TO KANKAKEE RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
COOK COUNTY - ILLINOIS						
Bedford Park	Chicago	737	(D)	730	9.802	114 industries served
Bridgeview	Wells	7,334	D	3,500	0.200 E	
	Chicago		(D)	3,834	0.130	Via So. Stickney S.D.
Cicero	Chicago	69,130	(D)	69,130	13.709	
Forest View	Chicago	1,042	(D)	1,042	0.164	
Justice - Wesley Fields	Well	500 E	PHID	550 E	0.030	
Lemont	Rock Wells	3,397	D	3,500	0.300	
Stickney	Chicago	6,239	(D)	6,239	1.084	
So. Stickney S.D.	Chicago	6,163	(D)	6,163	1.042	
Summit	Chicago	10,374	(D)	10,374	1.540	
4 Communities less than 1,000	Wells	1,239		1,239	0.051	
SUBTOTALS		106,155		106,301	28.052	
WILL COUNTY - ILLINOIS						
Bonnie Brae Subd.	Well	1,400	D	1,400	0.030	
Fairmont Area (Urban-Unincorporated)	Wells	7,000	D	7,000	0.175*	*Served by Ill. Municipal Water Co. and many small sources, at 25 gpcd rate.

TABLE II-3b
ILLINOIS RIVER & MINOR TRIBUTARIES

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
WILL COUNTY - ILLINOIS (Cont'd.)						
Frankfort	Wells	1,135	Some D	1,100	0.063	
Ingalls Park Area (Urban-Unincorporated)	Wells	8,000	Some D	8,000	0.200**	**There are 4 urban-unincorporated areas around Joliet.
Joliet	Wells	71,559	D	71,600	7.714	
Lockport	Wells	7,560	D	7,600	0.671	
Manhattan	Wells	1,117	D	1,100	0.050	At 50 gpcd rate.
Mokena	Wells	1,332	None	1,300	0.110	
New Lenox	Wells	1,732	Some D	2,700	0.065*	*Served by Ill. Municipal Water Co. and private wells.
Preston Heights Area (Urban-Unincorporated)	Wells	5,000	Some D	5,000	0.125**	
Ridgewood Area (Urban-Unincorporated)	Wells	5,000	Some D	5,000	0.125**	
12 Communities less than 1,000	Wells	5,676		5,700	0.234	
SUBTOTALS		116,511		117,500	9.562	
TOTALS FOR SUBBASIN		222,666		223,801	37.614	

TABLE II-4a
MUNICIPAL WATER SUPPLY DATA - CALUMET-SAG CHANNEL AND TRIBUTARIES
SUBBASIN NO. 3 - 303.4 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
LAKE COUNTY - INDIANA						
Dyer	Wells	3,993	D	2,300	0.212	
East Chicago	Lake Mich.	57,669	PD	56,000	16.779	
Griffith (1)	Lake Mich.	9,483	(PD)	9,400	0.550	Served by Gary-Hobart Corp.
Hammond (2)	Lake Mich.	111,698	PD	112,000(2)	21.714	
Highland	Lake Mich.	16,234	(PD)	16,000	1.600	Served by Hammond.
Munster	Lake Mich.	10,313	(PD)	10,000	1.000	Served by Hammond.
Schererville	Wells	2,875	D	2,800	0.158	
Whiting	Lake Mich.	8,137	PD	8,000	1.649	
Black Oak and Ross communities and surrounding unincorporated area (3)	Wells and Lake Mich.	17,000	None & PD	2,300(3)	0.230	
SUBTOTALS		237,402		218,800	43.892	
COOK COUNTY - ILLINOIS						
Alsip	Chicago	3,770	(D)	2,250	.090	Approx. 500 homes.
Blue Island	Chicago	19,618	(D)	20,000	3.817	
Burnham	Chicago	2,478	(D)	2,478	0.093	
Calumet City	Chicago	25,000	(D) D	25,000	2.544	Re-chlorinates.
Carl Sandburg H.S.	Wells	1,300	None	1,300	.065 E	
Calumet Park	Chicago	8,448	(D)	8,500	0.721	
Chicago Heights	Wells	34,331	D	28,583	5.500	
Country Club Hills	Wells	3,421	PHID	3,421	.300	
Dixmoor	Chicago	3,076	(D)	3,076	0.213	Via Harvey Line.
Dolton	Chicago	18,746	(D)	20,000	1.682	

TABLE II-4b
CALUMET-SAG CHANNEL AND TRIBUTARIES

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
COOK COUNTY - ILLINOIS (Cont'd.)						
E. Hazelcrest	Chicago	1,457	(D)	1,457	0.025	Via I.C.R.R.
E. Chicago Heights*	Wells	3,270		800	0.035	*May have 2 separate systems.
Evergreen Park	Chicago	27,178	(D)	25,000	2.189	
Flossmoor	Wells	4,624	D	5,000	0.609	
Grandview Subd.	Wells	1,500		1,500 E	0.075 E	
Harvey	Chicago	29,071	(D)	30,000	4.118	
Hazelcrest	Chicago	6,205	(D)	7,208	0.379	Via Harvey.
Hometown	Chicago	7,479	(D)	7,479	0.541	
Homewood	Rock Wells	13,371	PHID	14,000	1.320	
Lansing	Lake Mich.	18,098	(P,D)D	19,000	1.629	Via Hammond, Ind. and re-chlorinate.
Markham,	Chicago	11,704	(D)	12,000	0.608	Via Harvey and Midlothian.
Matteson	Rock Wells	3,225	None	3,100	0.255	Fluorine adjustment.
Merrionette Park	Chicago	2,354	(D)	* 1,900	.158	*Does not include Tr. Pk of 500.
Midlothian	Chicago*	6,605	(D)	6,605	.348	*Via Blue Island and Robbins.
Oak Forest	Rock Well	3,724	D	4,000	.090	
Oak Lawn	Chicago	27,471	(D)	30,000	1.862	
Olympia Fields	Well	1,503	D	1,003	0.060	
Orland Park	Rock Wells	2,592	D	2,700	.120	
Park Forest	Wells	29,993	PHID	29,993	2.000	
Parkside Subd. - Tinley Park	Wells*	2,780	(D)	2,780 E	0.139 E	*From Tinley Park.
Phoenix	Chicago	4,203	(D)	4,400	.307	Via Harvey.
Posen	Chicago	4,517	(D)	4,517	.292	Via Harvey.
Riverdale	Chicago	12,008	(D)	12,008	2.785	

TABLE II-4c
CALUMET-SAG CHANNEL AND TRIBUTARIES

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
COOK COUNTY - ILLINOIS (Cont'd.)						
Robbins	Chicago	7,511	(D)	6,000	0.791	
Sauk Village-Indian Hill	Wells	2,600	D	2,600 E	0.213	
So. Chicago Heights	Rock Wells	4,043	D	* 3,900	0.300	*Approx. 30 families not served.
South Holland	Chicago*	10,412	(D)	10,000	0.817	*.041 via Harvey, *.776 direct.
Southdale Subd. - Sauk Village	Sauk Village	1,400	(D)	1,400 E	0.070 E	
Sundale Hills Subd. - Tinley Park	Tinley Park	1,400	(D)	1,400 E	0.070 E	
Tinley Park	Rock Wells	6,392	D	6,600	0.350	Also serves Parkside Subd., Sundale Hills Subd.
Thornton	Rock Wells	2,895	D	2,895	0.150	
Worth	Well	8,196	D	1,400	.050	
Communities less than 1,000	Wells	13,747		13,378	1.028	
SUBTOTALS		403,716		390,631	38.808	
WILL COUNTY - ILLINOIS						
Crete	Wells	3,463	D	3,500	0.174	
Steger	Wells	6,432	D	6,400	0.500	
3 Communities less than 1,000	Wells	1,100		1,100	0.068	
SUBTOTALS		10,995		11,000	0.742	
TOTALS FOR SUBBASIN		652,113		620,431	83.989	

TABLE II-4d
CALUMET-SAG CHANNEL AND TRIBUTARIES

(1) Griffith buys water from the Gary-Hobart Corp. whose source of supply is Lake Michigan.

(2) Hammond also serves Lansing, Ill., Highland, Munster, and People's Water Company for a total population served of over 175,000.

(3) Unincorporated urbanized area which lies east of Highland and Griffith. People's Water Company which buys water from Hammond serves 2,300 people. The remaining 15,000 people are served by individual wells. Black Oak and Ross are old unincorporated communities surrounded by new subdivision activity.

TABLE II-5a

MUNICIPAL WATER SUPPLY DATA - DES PLAINES RIVER SUBBASIN

SUBBASIN NO. 4 - 290.0 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
LAKE COUNTY - ILLINOIS						
Gray's Lake	Well	3,762	D	3,800	0.220	
Gurnee	Well	1,831	None	1,200	0.060	
Libertyville	Well	8,560	D	8,600	0.850	
Lindenhurst	Well	1,259	D	1,260	0.130	
Mundelein	Well	10,526	D	11,600	0.710	
Wildwood Subdivision	Well	2,000	D	2,000	0.200	
23 Communities less than 1,000	Wells	4,933	None	5,000	0.540	
SUBTOTALS		32,871		33,460	2.710	
COOK COUNTY - ILLINOIS						
Arlington Heights	Wells	27,868	None	30,000	2.731	
Bellwood	Rock Wells	20,729	D	21,000	3.000	
Berkeley	Chicago	5,792	(D)	5,792	0.670	Via Melrose Pk.Line.
Berwyn	Chicago	54,224	(D) D	56,000	6.745	Re-chlorinates water.
Broadview	Chicago	8,588	(D)	8,588	1.275	
Brookfield	Chicago	20,429	(D)	20,429	1.902	Via Brookfield-No. Riverside Water Comm.
Buffalo Grove Project	Wells		D	2,650	0.133 E	Priv. wells. Utility Co. has 530 meters. Est. 5 persons per meter. No record.
Country Side Utility Co.	Chicago	2,100			0.105	
Bridgeview	Wells & Chicago	7,334		7,335	0.300*	*Via So. Stickney.

TABLE II-5b
DES PLAINES RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
COOK COUNTY - ILLINOIS (Cont'd.)						
Des Plaines	Wells	34,886	PHID	37,234	3.886	1 well under construction.
Elk Grove	Wells	6,608	D	8,500	.660	
Elmwood Park	Chicago	23,866	(D)	23,866	3.117	
Forest Park	Chicago	14,452	(D)	14,452	1.676	
Franklin Park	Chicago	18,322	(D)	18,322	2.649	
Harwood Hts.	Chicago	5,688	(D)	5,000	0.767	Residents adjoining Chi. lines are served directly.
Hillside	Chicago	7,794	(D)	7,794	0.902	Via Melrose Park Line by way of Hillside-Berkeley Water Comm.
Hillside-Berkeley Water Comm.*			Serves Hillside & Berkeley			*See each town.
Hoffman Estates	Wells	8,776 E	D	8,776 E	0.613	
La Grange	Shallow wells	15,285	D	16,000	1.875	
La Grange Park	Chicago	13,793	(D)	13,793	1.164	
Leydon Twp.	Chicago	13,000 E	(D)	10,072	0.645	
Lyons	Rock wells	9,936	D	8,406 E	1.400	
Lyons	Chicago		(D)	1,530 E	0.256	
Maywood	Chicago	27,330	(D)	27,330	2.809	Via Melrose Park Line.
McCook	Chicago	400	(D)	400	3.647	Serves heavy industry.
Melrose Park	Chicago	22,291	(D)	24,000	4.273	Via Melrose Park Line.
Mount Prospect	Rock wells	18,906	D	19,806	1.700	
Norridge S.D.	Chicago	14,087	(D)	10,000	0.783	Est. 4,000 not hooked up.
Northlake Source #1	Chicago	12,318	(D)	12,500	0.811	.524 via Melrose Pk; .287 via CNW RR.
Source #2	Rock well		D		.100	Emergency supply.

TABLE II-5c
DES PLAINES RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
COOK COUNTY - ILLINOIS(Cont'd.)						
North Riverside	Chicago	7,989	(D)	7,989	0.782	
Oak Park	Chicago	61,093	(D)	61,093	6.682	
Palatine	Rock & Drift Wells	11,504	D	12,000	0.943	
Park Ridge	Chicago	32,659	(D)	40,000	3.882	
River Forest	Chicago	12,695	(D)	12,695	1.792	
River Grove	Chicago	8,464	(D)	8,464	1.328	
Riverside Source #1	2 Wells	9,750	D	9,750	0.445	Water not separated.
Source #2	Chicago		(D)		0.583	Via N. Riverside Water Comm.
Rolling Meadows	Rock Wells	10,879	D	11,000 E	0.652	
Schiller Park*	Chicago	5,687	(D) D	8,000	0.915	*Includes Fairview. Re-chlorinates.
Stone Park	Chicago	3,038	(D)	3,038	0.219	
Westchester	Chicago	18,092	(D)	18,092	2.690	
Western Springs	Rock Wells	10,838	PHID	10,838	0.917	
Wheeling	Rock Wells	7,169	D	7,600	0.324	
56 Communities less than 1,000	Wells	14,305		14,562	1.756	
SUBTOTALS		628,964		644,696	74.504	
DU PAGE COUNTY - ILLINOIS						
Addison	Wells	6,730	D	2,000	0.340	
Bensenville	Wells	10,233	D	10,200	0.954	
Clarendon Hills	Wells	5,850	HID	5,800	0.460	Some Crenothrix trouble.

TABLE II-5d
DES PLAINES RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
DU PAGE COUNTY - ILLINOIS (Cont'd.)						
Downers Grove	Wells	21,154	HD	20,000	2.000	
Elmhurst	Wells	36,991	D	37,000	3.572	
Hinsdale	Wells	12,859	HD	12,900	2.005	
Itasca	Wells	3,564	D	3,200	0.154	
Roselle	Well	3,579	D	3,600	0.600	
Villa Park	Wells	20,391	D	15,600	1.583	Some water shortage.
Westmont	Wells	5,977	HD	4,700	0.150	
16 Communities less than 1,000	Wells	5,683		3,700	0.214	
SUBTOTALS		133,011		118,700	12.032	
WILL COUNTY - ILLINOIS						
Hampton Park (Romeoville Village)	Wells	5,000	D	5,000	0.116	
Statesville Penitentiary	Wells	4,000	D	4,000	1.050	
2 Communities less than 1,000	Wells	1,200	D	1,200	0.057	
1 Community less than 1,000	Wells	300	None	300	0.017	
SUBTOTALS		10,500		10,500	1.240	
TOTALS FOR SUBBASIN		805,346		807,356	90.486	

TABLE II-6a
MUNICIPAL WATER SUPPLY DATA - DU PAGE RIVER SUBBASIN
SUBBASIN NO. 5 - 277.1 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
COOK COUNTY - ILLINOIS						
Bartlett	Wells	1,540	D	1,540	0.082	
2 Communities less than 1,000	Wells	851	D	1,451 E	0.048	
SUBTOTALS		2,391		2,991	0.130	
DU PAGE COUNTY - ILLINOIS						
Black Hawk Heights	Well	1,248	HD	1,250	0.170	
Glen Ellyn	Wells	15,914	D	14,400	1.250	
Lisle	Well	4,219	D	1,500	0.054	
Lombard	Wells	22,561	D	25,000	1.700	
Naperville	Wells	12,933	D	11,500	1.000	
Warrenville	Wells	3,134	D	3,800	0.077	
West Chicago	Wells	6,839	HD	5,800	0.600	
Wheaton	Wells	29,197	D	22,000	1.500	
Winfield	Wells	1,575	D	1,570	0.075	
42 Communities less than 1,000	Wells	11,815		10,600	0.682	
SUBTOTALS		109,435		97,420	7.108	
WILL COUNTY - ILLINOIS						
Crest Hill	Wells	5,887	Some D	5,500	0.460*	*Paramount Water Co., - Raynor Hills Water Co. & smaller sources.
Plainfield	Wells	2,183	D	2,200	0.244	

TABLE II-6b
DU PAGE RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
WILL COUNTY - ILLINOIS(Cont'd.)						
Plainfield (Rt. 30 to Joliet)	Wells	2,000	Some D	2,000	0.100*	Subdivision outside corporate limits.
Rockdale	Wells	1,272	D	1,500	0.190	
3 Communities less than 1,000	Wells	1,300		1,300	0.063*	*Estimated at 50 gpcd.
SUBTOTALS		12,642		12,500	1.057	
TOTALS FOR SUBBASIN		124,468		112,911	8.295	

TABLE II-7a

MUNICIPAL WATER SUPPLY DATA - KANKAKEE RIVER SUBBASIN

SUBBASIN NO. 6 - 272.8 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
BENTON COUNTY - INDIANA						
Fowler	Wells	2,491	HI	2,490	0.125	
Remington	Wells	1,207	D	1,205	0.270	
Rensselaer	Wells	4,740	PHID	4,740	0.35	
St. Joseph College	Wells			1,700		
SUBTOTALS		8,438		10,135	0.745	
LAKE COUNTY - INDIANA						
Lowell	Wells	2,270	PID	2,270	0.20	
4 Communities less than 1,000	Wells	1,315		1,315	0.072	
SUBTOTALS		3,585		3,585	0.272	
LA PORTE COUNTY - INDIANA						
Kingsford Heights	Wells	1,276	PD	1,275	0.25	
LaPorte	Wells	21,157	IDP	21,155	3.067	
Norman Beatty Hospital	Wells		D	3,000	0.425	
3 Communities less than 1,000	Wells	1,421		1,420	0.153	
SUBTOTALS		23,854		26,850	3.895	
MARSHALL COUNTY - INDIANA						
Argos	Wells	1,339	HD	1,340	0.100	
Bremen	Wells	3,062	H	3,060	0.301	
Plymouth	Wells	7,558	HD	7,560	1.000	
SUBTOTALS		11,959		11,960	1.401	

TABLE II-7b
KANKAKEE RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
NEWTON COUNTY - INDIANA						
Goodland	Wells	1,202	ID	1,200	0.131	
Kentland	Wells	1,783	D	1,785	0.100	
Morocco	Well	1,341	ID	1,340	0.120	
1 Community less than 1,000	Wells	845	HD	845	0.050	
SUBTOTALS		5,171		5,170	0.401	
PORTER COUNTY - INDIANA						
Hebron	Wells	1,401	None	1,400	0.025	
Kouts	Wells	1,007	DH	1,005	0.075	
SUBTOTALS		2,408		2,405	0.100	
STARK COUNTY - INDIANA						
Knox	Wells	3,458	PID	3,460	0.223	
North Judson	Wells	1,942	D	1,940	0.100	
3 Communities less than 1,000	Wells	688		790	0.035	
SUBTOTALS		6,088		6,190	0.358	
ST. JOSEPH COUNTY - INDIANA						
New Carlisle	Wells	1,376	P	1,375	0.107	
North Liberty	Wells	1,242	None	1,240	0.058	
Walkerton	Wells	2,044	D	2,045	0.158	
1 Community less than 1,000	Wells	757		755	0.060	
SUBTOTALS		5,419		5,415	0.383	

TABLE II-7c
KANKAKEE RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
FORD COUNTY - ILLINOIS						
2 Communities less than 1,000	Wells	756		755	0.057	
SUBTOTALS		756		755	0.057	
IROQUOIS COUNTY - ILLINOIS						
Clifton	Wells	1,018	PI	1,020	0.055	
Gilman	Wells	1,704	PHI	1,705	0.185	
Milford	Wells	1,699	PID	1,700	0.070	
Onarga	Wells	1,397	PI	1,395	0.055	
Sheldon	Wells	1,137	None	1,135	0.070	
Watseka	Wells	5,219	DH	5,220	0.600	
11 Communities less than 1,000	Wells	5,120		5,135	0.371	
SUBTOTALS		17,294		17,310	1.406	
KANKAKEE COUNTY - ILLINOIS						
Bourbonnais	Kankakee Water Co.	3,336	(PHD)	*(4,135)	0.100	*Includes Nazarene Coll.
Bradley	" "	8,082	(PHD)	(8,080)	0.412	
Chebanse	Wells	995	D	1,000	0.120	
Kankakee State Hosp.	Kankakee Water Co.		(PHD)	(5,000)	0.820	
Kankakee	Kankakee R.	27,666	PHD	55,781	8.228	
Manteno	Wells	2,225	D	2,225	0.182	
Manteno State Hosp.	Kankakee Water Co.		(PHD)	(8,500)	1.094	
Momence	Wells	2,949	D	2,950	0.400	

TABLE II-7d
KANKAKEE RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
St. Anne	Wells	1,378	H	1,380	0.125	
West Kankakee	Kankakee Water Co.	3,197	(PHD)	(3,195)		
8 Communities less than 1,000	Wells	2,159		3,266	0.148	
SUBTOTALS		51,987		66,602	9.203	
VERMILION COUNTY - ILLINOIS						
1 Community less than 1,000	Wells	761		760	0.021	
SUBTOTALS		761		760	0.021	
WILL COUNTY - ILLINOIS						
Beecher	Wells	1,367	DH	1,365	*0.050	*Cutput is 0.100 mgd when golf course is operating
Peotone	Wells	1,788	DH	1,790	0.065	
Wilmington	Wells	4,210	DH	4,210	0.276	
3 Communities less than 1,000	Wells	769		1,225	0.074	
SUBTOTALS		8,134		8,590	0.465	
TOTALS FOR SUBBASIN		145,854		165,727	18.707	

TABLE II-8a
MUNICIPAL WATER SUPPLY DATA - FOX RIVER SUBBASIN
SUBBASIN NO. 7 - 239.7 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
KENOSHA COUNTY - WISCONSIN						
4 Communities less than 1,000	Wells	1,150		1,150		
SUBTOTALS		1,150		1,150		
RACINE COUNTY - WISCONSIN						
Burlington	Wells	5,856	None	5,000	0.667	
Waterford	Wells	1,500	None	1,100	0.090	
SUBTOTALS		7,356		6,100	0.757	
WALWORTH COUNTY - WISCONSIN						
East Troy	Wells	2,247	None	1,250	0.190	
Elkhorn (Part)	Wells	3,586	PHD	3,585	0.317	
Fontana	Well	1,326	None	1,325	.100	
Genoa City	Well	1,005	None	1,000	0.050	
Lake Geneva	Wells	4,929	HD	5,260	0.527	
Walworth	Wells	1,494	None	1,350	.310	
Williams Bay	Wells	1,347	PHI	1,506	0.220	
2 Communities less than 1,000	Wells	130		130		
SUBTOTALS		16,064		15,406	1.714	

TABLE II-8b
FOX RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
WAUKESHA COUNTY - WISCONSIN						
Menomonee Falls	Wells	18,276	VA	3,500	0.500	
Mukwonago	Wells	1,879	Vt	1,207	0.239	
New Berlin	Wells	15,788	None	15,788	.340	
Pewaukee	Wells	2,484	Vs	2,500	0.180	
Waukesha	Wells	30,004	ID	27,500	4.00	
2 Communities less than 1,000	Wells	725		580		
SUBTOTALS		69,156		51,075	5.259	
KANE COUNTY - ILLINOIS						
Aurora	Wells	63,715	DH	63,715	9.000	
Batavia	Wells	7,496	D	7,495	0.837	
Carpentersville	Well	2,000	PID	2,425	0.175	
Meadowdale	Wells	15,424	ID	15,000	1.019	
E. Dundee	Well	2,211	D	2,210	0.186	
Elgin	Wells	52,071	PHID	52,070	4.526	
Elgin State Hospital	Wells	6,350	D	6,350	0.430	
Geneva	Wells	7,645	PI	7,645	1.129	
Moecherville	Wells	1,134	None	1,135	*	*No chemical analyses.
Montgomery	Well	2,122	D	2,120	0.150	
North Aurora	Wells	2,088	D	2,090	0.120	
South Elgin	Wells	2,624	PHID	2,625	0.170	
St. Charles	Wells	8,268	None	8,270	1.125	
W. Dundee	Wells	2,530	PID	2,530	0.186	
15 Communities less than 1,000	Wells	5,291		5,285	0.348	
SUBTOTALS		180,429		180,965	19.401	

TABLE III-8c
FOX RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
KENDALL COUNTY - ILLINOIS						
Oswego	Wells	1,510	D	1,510	0.048	
Plano	Well	3,343	D	3,345	0.450	
Yorkville	Wells	1,568	D	1,570	0.096	
SUBTOTALS		6,421		6,425	0.594	
LAKE COUNTY - ILLINOIS						
Antioch	Wells	2,268	H	2,270	0.276	
Barrington	Wells	5,450		5,450	0.604	Aeration to remove H_2S
Fox Lake	Well	3,700	I	3,897	0.070	
Lake Zurich	Wells	3,458	None	3,460	0.302	No chemical analyses.
Round Lake Beach	Wells	5,011	D	5,010	0.120	
Round Lake Park	Wells	2,565	None	2,565	0.270	
Wauconda	Wells	3,227	D	3,230	0.300	
8 Communities less than 1,000	Wells	3,480		3,480	0.238	
SUBTOTALS		29,159		29,362	2.180	
LA SALLE & LEE COUNTY - ILLINOIS						
Earlville	Wells	1,420	H	1,420	0.125	
Ottawa	Wells	19,408	None	20,775	2.000	
3 Communities less than 1,000 (La Salle)	Wells	777		1,205	0.150	
2 Communities less than 1,000 (Lee)	Wells	975		775	0.100	
SUBTOTALS		22,580		24,175	2.375	

TABLE II-8d
FOX RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
MC HENRY COUNTY - ILLINOIS						
Algonquin	Well	2,014	D	2,014	0.200	
Cary	Wells	2,530	DH	2,530	0.070	
Crystal Lake	Wells	8,314	None	8,315	0.600	
Crystal Lake Manor	Well	1,100	D	1,100	0.032	
Fox River Grove	Wells	1,866	DH	1,865	0.120	
Island Lake	Well	1,634	DH	1,635	0.125	
Lake-in-the-Hills	Wells	2,046	D	2,045	0.290	
Lakeland Park Subd.	Wells	1,050	None	1,050	0.050	
McHenry	Well	3,336	None	3,335	0.250	
Woodstock	Wells	8,897	PHID	8,895	1.700	
14 Communities less than 1,000	Wells	5,461		5,485	0.272	
SUBTOTALS		38,248		38,269	3.709	
TOTALS FOR SUBBASIN		370,963		352,927	35.989	

TABLE II-9a
MUNICIPAL WATER SUPPLY DATA - VERMILION RIVER SUBBASIN
SUBBASIN NO. 8 - 226.2 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
FORD COUNTY - ILLINOIS						
1 Community less than 1,000	Wells	807		805	0.040	
SUBTOTALS		807		805	0.040	
LA SALLE COUNTY - ILLINOIS						
Oglesby	Wells	4,215	PI	4,215	0.341	
Streator	Vermilion R.	16,868	PD	18,795	3.412	
5 Communities less than 1,000	Wells	2,136		2,135	0.086	
SUBTOTALS		23,219		25,149	3.839	
LIVINGSTON COUNTY - ILLINOIS						
Chatsworth	Wells	1,330	PID	1,330	0.070	
Fairbury	Well	2,937	PHID	2,935	0.400	
Forrest	Well	1,220	PID	1,220	0.120	
Pontiac	Vermilion R.	8,435	PD	11,000	1.138	
5 Communities less than 1,000	Wells	2,424		2,420	0.229	
SUBTOTALS		16,346		18,905	1.957	

TABLE II-9b
VERMILION RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
MC LEAN COUNTY - ILLINOIS						
Chenoa	Wells	1,523	PID	1,525	0.120	
Minonk	Wells	2,001	None	2,000	0.105	Need aeration and iron removal - H_2S present.
SUBTOTALS		3,524		3,525	0.225	
TOTALS FOR SUBBASIN		43,896		48,384	6.061	

TABLE II-10a

MUNICIPAL WATER SUPPLY DATA - MACKINAW RIVER SUBBASIN

SUBBASIN NO. 9 - 151.1 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
FORD COUNTY - ILLINOIS						
1 Community less than 1,000	Well	386		385	0.025	
SUBTOTALS		386		385	0.025	
MASON COUNTY - ILLINOIS						
Manito	Wells	1,093		1,095	0.090	Only commercial meters read.. Softening equipment should be put back in operation.
SUBTOTALS		1,093		1,095	0.090	
MC LEAN COUNTY - ILLINOIS						
Lexington	Wells	1,244	PHI	1,180	0.084	
3 Communities less than 1,000	Wells	2,276		2,225	0.167	
SUBTOTALS		3,520		3,405	0.251	
TAZEWELL COUNTY - ILLINOIS						
Mackinaw	Wells	1,163	H	1,165	0.050	
Morton	Wells	5,325	PHID	5,325	0.800	
Tremont	Wells	1,558	PHI	1,560	0.070	
3 Communities less than 1,000	Wells	1,872		1,870	0.115	
SUBTOTALS		9,918		9,920	1.035	

TABLE II-10b
MACKINAW RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
WOODFORD COUNTY - ILLINOIS						
El Paso	Wells	1,964	PHID	1,965	0.155	
Eureka	Walnut Cr.	2,538	PHD	2,540	0.225	
Metamora	Wells	1,808	None	1,810	0.120	
Roanoke	Wells	1,821	PHID	1,820	0.150	
3 Communities less than 1,000	Wells	713		710	0.021	
SUBTOTALS		8,844		8,845	0.671	
TOTALS FOR SUBBASIN		23,761		23,650	2.072	

TABLE II-11a

MUNICIPAL WATER SUPPLY DATA - SPOON RIVER SUBBASIN
SUBBASIN NO. 10 - 120.2 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
BUREAU COUNTY - ILLINOIS						
1 Community less than 1,000	Wells	495		585	0.018	
SUBTOTALS		495		585	0.018	
FULTON COUNTY - ILLINOIS						
Canton	W. Copperas Cr.	13,588	PHD	13,560	1.396	
Cuba	Well	1,380	HI	1,380	0.060	
Farmington	Wells	2,831	ID	2,830	0.200	Supply highly mineralized
Lewistown	Wells	2,603	D	2,605	0.146	Plant flooded 4/2/60 Orders to boil 4/2/60 to 4/11/60.
4 Communities less than 1,000	1-Surface 3-Wells	996	PD	995	0.058	
		1,161		1,160	0.040	
SUBTOTALS		22,559		22,530	1.900	
HENRY COUNTY - ILLINOIS						
Kewanee	Wells	16,324	D	16,325	1.252	Cross connections with Walworth Co. and Kewanee Boiler Co.
SUBTOTALS		16,324		16,325	1.252	

TABLE II-11b
SPOON RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
KNOX COUNTY - ILLINOIS						
Abingdon	Wells	3,469	None	3,470	0.310	
Knoxville	Wells	2,560	None	2,560	0.210	
6 Communities less than 1,000	Wells	3,134		3,135	0.135	
SUBTOTALS		9,163		9,165	0.655	
MC DONOUGH COUNTY - ILLINOIS						
1 Community less than 1,000	Well	613		615	0.017	
SUBTOTALS		613		615	0.017	
PEORIA COUNTY - ILLINOIS						
Princeville	Wells	1,281	H	1,280	0.200	Need up-to-date mineral analysis.
SUBTOTALS		1,281		1,280	0.200	
STARK COUNTY - ILLINOIS						
Toulon	Wells	1,213	ID	1,215	0.110	
Wyoming	Wells	1,559	I	1,560	0.090	
2 Communities less than 1,000	Wells	1,126		1,125	0.054	
SUBTOTALS		3,898		3,900	0.254	

TABLE II-11c

SPOON RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
WARREN COUNTY - ILLINOIS						
Roseville	Wells	1,065	None	1,065	0.065	
SUBTOTALS		1,065		1,065	0.065	
TOTALS FOR SUBBASIN		55,398		55,465	4.361	

TABLE II-12a

MUNICIPAL WATER SUPPLY DATA - LAMOINE RIVER SUBBASIN
SUBBASIN NO. 11 - 83.9 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
ADAMS COUNTY - ILLINOIS						
2 Communities less than 1,000	1-Surface	774	PD	775	0.045	
	1-Well	491	D	490	0.015	
		1,265		1,265	0.060	
BROWN COUNTY - ILLINOIS						
Mount Sterling	Crooked Cr.	2,262	PD	2,260	0.154	One large consumer.
SUBTOTALS		2,262		2,260	0.154	
HANCOCK COUNTY - ILLINOIS						
Carthage	Long Cr. & Wells	3,325	PD	3,325	0.235	New well contains enough iron to cause problems.
La Harpe	LaMoine R.	1,322	PD	1,320	0.072	
2 Communities less than 1,000	1-Surface	915	PD	915	0.162	
	1-Well	559	PID	560	0.025	
SUBTOTALS		6,121		6,120	0.494	
MC DONOUGH COUNTY - ILLINOIS						
Bushnell	Wells	3,710	ID	3,710	0.600	
Colchester	Wells	1,495	PHID	1,495	0.075	

TABLE II-12b
LAMOINE RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
MC DONOUGH COUNTY - ILLINOIS (Cont'd.)						
Macomb	Spring Cr. & LaMoine R.	12,135	PHD	12,135	0.772	5 large consumers.
2 Communities less than 1,000	1-Surface	853	PD	855	0.045	
	1-Well	514	D	515	0.038	
SUBTOTALS		18,707		18,710	1.530	
SCHUYLER COUNTY - ILLINOIS						
Rushville	Wells	2,819	D	2,820	0.075	
SUBTOTALS		2,819		2,820	0.075	
TOTALS FOR SUBBASIN		31,174		31,175	2.313	

TABLE II-13a

MUNICIPAL WATER SUPPLY DATA - SANGAMON RIVER SUBBASIN

SUBBASIN NO. 12 - 97.7 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
CASS COUNTY - ILLINOIS						
1 Community less than 1,000	Well	718	HI	775	0.035	
SUBTOTALS		718		775	0.035	
CHAMPAIGN COUNTY - ILLINOIS						
Fisher	Wells	1,155	PHI	1,155	0.072	Chlorination recommended.
Mahomet	Well	1,367	PI	1,370	0.110	
SUBTOTALS		2,522		2,525	0.182	
CHRISTIAN COUNTY - ILLINOIS						
Assumption	Wells	1,439	PHID	1,440	0.115	
Edinburg	Wells	1,003	DI	1,005	0.043	
Kincaid	Trib. of Sangamon R.	1,544	PHD	2,660	0.094	
Morrisonville	Wells	1,129	PID	1,130	0.060	
Stonington	Wells	1,076	PHID	1,075	0.100	
Taylorville	Wells	8,801	PHD	12,200	1.717	
2 Communities less than 1,000	Wells	787		785	0.048	
SUBTOTALS		15,779		20,295	2.177	

TABLE II-13b
SANGAMON RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
DE WITT COUNTY - ILLINOIS						
Clinton	Wells	7,355	PHID	7,355	1.512	
Farmer City	Wells	1,838	D	1,820	0.181	
4 Communities less than 1,000	Wells	1,885		1,865	0.112	
SUBTOTALS		11,078		11,040	1.805	
FORD COUNTY - ILLINOIS						
Gibson	Wells	3,453	None	3,455	0.384	
SUBTOTALS		3,453		3,455	0.384	
LOGAN COUNTY - ILLINOIS						
Atlanta	Wells	1,568	PHID	1,570	0.040	
Lincoln	Wells	16,890	D	17,000	2.419	
Mount Pulaski	Wells	1,689	None	1,690	0.080	
7 Communities less than 1,000	Wells	2,884		2,890	0.148	
SUBTOTALS		23,031		23,150	2.687	
MC LEAN COUNTY - ILLINOIS						
Bloomington	Lake Bloomington	36,270	PHID	41,000	5.280	
Heyworth	Well	1,196	PID	1,195	0.120	

TABLE II-13c
SANGAMON RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
MC LEAN COUNTY - ILLINOIS (Cont'd.)						
LeRoy	Wells	2,088	PHI	2,045	0.149	
Normal	Wells	13,357	PHID	13,360	0.807	
8 Communities less than 1,000	Wells	4,084		4,020	0.373	
SUBTOTALS		56,995		61,620	6.729	
MACON COUNTY - ILLINOIS						
Blue Mound	Wells	1,038	PHI	1,040	0.060	
Decatur	Lake Decatur	78,004	PHID	78,005	11.217	
Macon	Wells	1,229	PHID	1,230	0.068	
Maroa	Wells	1,235	PHI	1,235	0.080	
4 Communities less than 1,000	Wells	2,634		2,635	0.114	
SUBTOTALS		84,140		84,145	11.539	
MASON COUNTY - ILLINOIS						
Mason City	Wells	2,160	None	2,160	0.140	
San Jose	Wells	1,093	PID	1,095	0.080	
SUBTOTALS		3,253		3,255	0.220	

TABLE II-131
SANGAMON RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
MENARD COUNTY - ILLINOIS						
Athens	Well	1,035	PHID	1,035	0.085	
Petersburg	Wells	2,359	DH	2,360	0.241	
3 Communities less than 1,000	Wells	1,644		1,645	0.094	
SUBTOTALS		5,038		5,040	0.420	
PIATT COUNTY - ILLINOIS						
Cerro Gordo	Wells	1,067	HID	1,065	0.070	
Monticello	Wells	3,219	PHID	3,220	0.620	
3 Communities less than 1,000	Wells	1,563		1,555	0.100	
SUBTOTALS		5,849		5,840	0.790	
SANGAMON COUNTY - ILLINOIS						
Springfield	L. Springfield	83,271	PHID	120,000	15.500	
4 Communities less than 1,000	1-Surface	450	PHD	450	0.016	
	3-Wells	2,248		2,250	0.125	
SUBTOTALS		85,969		122,700	15.641	

TABLE II-13e
SANGAMON RIVER SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
SHELBY COUNTY - ILLINOIS						
Moweaqua	Wells	1,614	PHD	1,615	0.125	
SUBTOTALS		1,614		1,615	0.125	
TAZEWELL COUNTY - ILLINOIS						
2 Communities less than 1,000	Wells	1,174		1,170	0.100	
SUBTOTALS		1,174		1,170	0.100	
TOTALS FOR SUBBASIN		300,613		346,625	42.834	

TABLE II-14
MUNICIPAL WATER SUPPLY DATA - MACOUPIN CREEK SUBBASIN
SUBBASIN NO. 13 - 22.9 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
GREENE COUNTY - ILLINOIS						
Carrolton	Springs	2,558	PHD	2,560	0.189	
Greenfield	Wells	1,064	PHID	1,065	0.038	Fpz not being used.
SUBTOTALS		3,622		3,625	0.227	
JERSEY COUNTY - ILLINOIS						
Jerseyville	Springs & Wells	7,420	PID	7,420	0.374	
SUBTOTALS		7,420		7,420	0.374	
MACOUPIN COUNTY - ILLINOIS						
Carlinville	Lake Carlinville	5,440	PD	5,440	0.458	
2 Communities less than 1,000	Wells	1,039		1,040	0.045	
SUBTOTALS		6,479		6,480	0.503	
MONTGOMERY COUNTY - ILLINOIS						
2 Communities less than 1,000	Wells	714		730	0.021	
SUBTOTALS		714		730	0.021	
TOTALS FOR SUBBASIN		18,235		18,255	1.125	

TABLE II-15a
MUNICIPAL WATER SUPPLY DATA - ILLINOIS RIVER & MINOR TRIBUTARIES
SUBBASIN NO. 14 - KANKAKEE RIVER - SPOON RIVER

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
BUREAU COUNTY - ILLINOIS						
Depue	Wells	1,920	PI	1,920	0.112	
Ladd	Wells	1,255	DH	1,255	0.140	
Princeton	Wells	6,250	PHID	6,250	0.775	
Spring Valley	Wells	5,371	PHID	5,370	0.469	Well #5 & #7 not sealed.
10 Communities less than 1,000	Wells	5,517		5,520	0.412	
SUBTOTALS		20,313		20,315	1.908	
FORD COUNTY - ILLINOIS						
1 Community less than 1,000	Wells	293		295	0.015	
SUBTOTALS		293		295	0.015	
GRUNDY COUNTY - ILLINOIS						
Coal City	Wells	2,852	H	2,850	0.400	
Gardner	Wells	1,041	(H)	1,040	0.050	
Morris	Wells	7,935		7,935	0.900	
6 Communities less than 1,000	Wells	2,572		2,410	0.116	
SUBTOTALS		14,400		14,235	1.466	

TABLE II-15b
ILLINOIS RIVER & MINOR TRIBUTARIES, SUBBASIN NO. 14

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
KANKAKEE COUNTY - ILLINOIS						
2 Communities less than 1,000	Wells	357		355	0.024	
SUBTOTALS		357		355	0.024	
KNOX COUNTY - ILLINOIS						
1 Community less than 1,000	Well	802		800	0.060	
SUBTOTALS		802		800	0.060	
LA SALLE COUNTY - ILLINOIS						
LaSalle	Wells	11,897	D	11,900	1.461	
Marseilles	Wells	4,347	ID	4,350	0.257	
Mendota	Wells	6,154	PI	6,155	0.674	
North Utica	Well	1,014	None	1,015	1.440	
Peru	Wells	10,460	PHID	10,460	1.518	
4 Communities less than 1,000	Wells	1,427		1,640	0.066	
SUBTOTALS		35,299		35,520	5.416	
LEE COUNTY - ILLINOIS						
3 Communities less than 1,000	Wells	854		855	0.142	
SUBTOTALS		854		855	0.142	

TABLE II-15c
ILLINOIS RIVER & MINOR TRIBUTARIES, SUBBASIN NO. 14

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
LIVINGSTON COUNTY - ILLINOIS						
Dwight	Wells	3,086	DH	3,085	0.450	
2 Communities less than 1,000	Wells	1,101		1,100	0.066	
SUBTOTALS		4,187		4,185	0.516	
MARSHALL COUNTY - ILLINOIS						
Henry	Wells	2,278	None	2,280	0.250	
Lacon	Wells	2,175	None	2,175	0.300	
Toluca	Wells	1,352	D	1,350	0.112	
Wenona	Wells	1,005	ID	1,005	0.120	
3 Communities less than 1,000	Wells	1,007		1,010	0.062	
SUBTOTALS		7,817		7,820	0.844	
MASON COUNTY - ILLINOIS						
Havana	Wells	4,363	None	4,365	0.557	
SUBTOTALS		4,363		4,365	0.557	
PEORIA COUNTY - ILLINOIS						
Chillicothe	Wells	3,054	None	3,055	0.170	
Elmwood	Wells	1,882	None	1,880	0.135	
Glasford	Well	1,012	I	1,010	0.045	

TABLE II-15d

ILLINOIS RIVER & MINOR TRIBUTARIES, SUBBASIN NO. 14

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
PEORIA COUNTY - ILLINOIS (Cont'd.)						
Hanna City	Well	1,056	D	1,055	0.020	
North Chillicothe	Wells	2,259	None	2,260	0.175	
Peoria (1)	Wells Illinois Riv.	103,162	PID	151,000	17.736	Sludge returned to the river.
Peoria Heights	Wells	7,064	DH	7,065	0.992	
Pleasant Valley	Well		None	1,470		
8 Communities less than 1,000**	Wells	656		2,140	0.025	**Mostly subdivisions.
SUBTOTALS		120,145		170,935	19.298	
PUTNAM COUNTY - ILLINOIS						
Granville	Wells	1,048	H	1,050	0.065	
4 Communities less than 1,000	Wells	1,094		1,110	0.040	
SUBTOTALS		2,142		2,160	0.105	
TAZEWELL COUNTY - ILLINOIS						
Creve Coeur	Wells	6,684	None	6,685	0.551	
Delavan	Wells	1,377	H	1,380	0.125	
East Peoria	Wells	12,310	D	12,310	2.500	
Marquette Heights	Wells	2,517	HID	2,515	0.125	

TABLE II-15e

ILLINOIS RIVER & MINOR TRIBUTARIES, SUBBASIN NO. 14

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
TAZEWELL COUNTY - ILLINOIS (Cont'd.)						
North Pekin	Well	2,025	None	2,025	0.085	
North Tazewell W. Dist.	Wells	—	PID	4,965	0.200	
Pekin	Wells	28,146	D	28,145	2.208	
South Pekin	Wells	1,007	None	1,010	0.025	
Washington	Wells	5,919	None	5,920	0.160	Sewer near well #4.
SUBTOTALS		59,985		64,955	5.979	
WILL COUNTY - ILLINOIS						
Braidwood	Well	1,944	PID	1,600	0.050	
31 Communities less than 1,000**	Wells	*		3,995	0.045	**All subdivisions Few figures available on water usage.
SUBTOTALS		1,944		5,595	0.095	
WOODFORD COUNTY - ILLINOIS						
Washburn	Wells	1,064	H	1,065	0.112	
7 Communities less than 1,000	Wells	1,410		1,985	0.052	
SUBTOTALS		2,474		3,050	0.164	
TOTALS FOR SUBBASIN		275,375		335,440	36.589	

(1) Peoria is now also served by a new filtration plant which draws direct from the Illinois River.

Ground water and surface water are mixed before distribution therefore the population served by ground water was pro-rated as 44,400 for 1960.

TABLE II-16a
MUNICIPAL WATER SUPPLY DATA - ILLINOIS RIVER & MINOR TRIBUTARIES
SUBBASIN NO. 15 - SPOON RIVER TO GRAFTON, ILLINOIS

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
ADAMS COUNTY - ILLINOIS						
Camp Point	Wells	1,092	PHD	1,090	0.033	
1 Community less than 1,000**	Wells			*	*	**State Park
SUBTOTALS		1,092		1,090	0.033	
BROWN COUNTY - ILLINOIS						
1 Community less than 1,000	Wells	427		425	0.011	
SUBTOTALS		427		425	0.011	
CALHOUN COUNTY - ILLINOIS						
Hardin	Wells	1,040	None	1,040	0.173	
1 Community less than 1,000	Well	453		455	0.019	
SUBTOTALS		1,493		1,495	0.192	
CASS COUNTY - ILLINOIS						
Ashland	Wells	1,064	PHID	1,065	0.055	
Beardstown	Wells	6,294	None	6,295	1.150	
Virginia	Jobs Cr.	1,669	PID	1,670	0.100	Wells for emergency
1 Community less than 1,000	Well	417		420	0.025	
SUBTOTALS		9,444		9,450	1.330	

TABLE II-16b
ILLINOIS RIVER & MINOR TRIBUTARIES, SUBBASIN NO. 15

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
FULTON COUNTY - ILLINOIS						
Astoria	Otter Cr.	1,204	PID	1,205	0.087	
3 Communities less than 1,000	1-Surface	903	PD	905	0.065	
	2-Wells	1,123		1,125	0.064	
SUBTOTALS		3,230		3,235	0.216	
GREENE COUNTY - ILLINOIS						
Roodhouse	Wells	2,352	D	2,350	0.201	Softening Needed.
Whitehall	Wolf Run Cr.	3,012	PD	3,010	0.117	
SUBTOTALS		5,364		5,360	0.318	
JERSEY COUNTY - ILLINOIS						
Grafton	*Miss R. Illinois Riv. Well	1,085		1,085	0.060	*Source of supply depends on river elevations.
3 Communities less than 1,000**	Wells			*	*	**2 State owned camps and 1 park.
SUBTOTALS		1,085		1,085		
MORGAN COUNTY - ILLINOIS						
Jacksonville	Lk. Jacksonville Lk. Mauvaisterre Ranney Well	21,690	PID	21,690	2.857	Last State survey in 1954.
Meredosia	Wells	1,034	None	1,035	0.045	Need iron removal or stabilization.
S. Jacksonville	Jacksonville	2,340	(PID)	(2,340)		

TABLE II-16c

ILLINOIS RIVER & MINOR TRIBUTARIES, SUBBASIN NO. 15

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
MORGAN COUNTY - ILLINOIS (Cont'd.)						
Waverly	Apple Cr.	1,375	PID	1,375	0.129	Sludge goes to two sludge beds.
SUBTOTALS		24,099		24,100	3.031	
PIKE COUNTY - ILLINOIS						
Griggsville	Wells	1,240	D	1,240	0.137	
3 Communities less than 1,000	Wells	1,099		1,100	0.073	
SUBTOTALS		2,339		2,340	0.210	
SCOTT COUNTY - ILLINOIS						
Winchester	Wells	1,657	HID	1,660	0.115	
1 Community less than 1,000	Wells	779		780	0.054	
SUBTOTALS		2,436		2,440	0.169	
TOTALS FOR SUBBASIN		51,009		51,020	5.57(	

TABLE II-17a
MUNICIPAL WATER SUPPLY DATA
LAKE MICHIGAN SUBBASIN NO. 16

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
LAKE COUNTY - INDIANA						
Black Oak-Ross Uninc. Urbanized Area	Gary-Hobart Water Corp.	6,000	(PD)	(2,500)	-	Served by Gary-Hobart Water Corp. 3500 served by individual wells.
Crown Point	Wells	8,443	PHID	8,445	0.765	
East Gary	Wells	9,309	D	8,700	0.638	
Gary(a)	Lake Mich.	178,320	PD	200,000	23.388	
Hobart	Gary-Hobart Water Corp.	18,680	(PD)	(14,400)	-	
Hobart Twp. Uninc. Urbanized Area(b)	(New Chicago -(East Gary Gary-Hobart	8,922	(PD)(D)(D)	(3,300)	-	New Chicago serves 2700; East Gary serves 300; Gary-Hobart Water Corp. serves 300.
Lincoln Gardens	Well	-	H	1,000	0.100	
New Chicago	Wells	2,312	D	5,000	0.300	
Ross Twp. Uninc. Area(c)	Gary-Hobart Independence Hill	14,854	(PD)	(2,900)	-	
8 Communities less than 1,000	3 - Wells	1,824		800	0.076	
	3 - Gary-Hobart	-		(1,060)	-	
	1 - New Chicago	-		(40)	-	
	1 - Hammond	-		(200)	-	
SUBTOTALS		248,664		223,945	25.267	

TABLE II-17b
LAKE MICHIGAN SUBBASIN

Community, Water District, Institution (1)	Source of Supply (2)	1960 Population (3)	Treatment (4)	Estimated Population Served (5)	Estimated Usage MGD (6)	Remarks (7)
PORTER COUNTY - INDIANA						
Chesterton	Wells	4,335	D	5,800	0.397	
Portage(d)	Neighborhood Utilities Co. Suburban Utilities Co.	11,822	D	11,820	-	
Porter	Chesterton	2,189	(D)	(1,800)	-	
Valparaiso	Flint Lake & Standby Wells	15,227	PD	16,300	1.553	
Valparaiso-Flint Lake Uninc. Area	Valparaiso	4,700	-	(1,000)	-	
8 Communities less than 1,000	2 - Wells	238		1,050	0.100	
	4 - Portage	200		200	.060	
	2 - Gary Hobart	947		945	-	
SUBTOTALS		39,658		36,115	2.110	
TOTALS FOR SUBBASIN		288,322		260,060	27.377	

(a) This plant and the area served by it is almost entirely in the Lake Michigan drainage basin. Serves Gary, Hobart, Griffith, Ogden Dunes, and misc. subdivisions.

(b) New Chicago serves 2,700; East Gary serves 300; Gary-Hobart Water Corp. serves 300.

(c) Gary-Hobart Water Corp. serves 2,500; Independence Hill serves 400; remainder served by private wells.

(d) Portage is partially served by Suburban Utility Co. and Neighborhood Utility Co. Part of community served by individual wells. Negotiations are underway for entire town, with exception of Utility Co.'s to receive water from Gary-Hobart Water Corp.

TABLE II-18

INDUSTRIAL WATER SUPPLIES (ILLINOIS INDUSTRIES) (a) FROM ILLINOIS RIVER BASIN STREAMS, LAKES, AND WATERWAYS

Number Plants	Type Industries	Source of Supply	Average Pumpage MGD (b)
1	Chemical	Des Plaines R.	3.46
1	Quarry	E. Br. Du Page R.	2.64
4	Chemical	Chicago R. & Branches	44.33
21	Metal, Chemicals & Other Mfg. (c)	Calumet R.	670.23
2	Metal & Chemical	Grand Calumet R.	2.96
2	Metal & Other Mfg.	Calumet Sag Channel	83.28
4	Metal, Oil Refinery, Chemical & Other Mfg.	Chg. San. & Ship Canal	184.20
2	Metal, Other Mfg.	Lake Calumet	1.33
11	Other Mfg.	Fox River	153.04
2	Chemical, Other Mfg.	Kankakee River	0.33
2	Other Mfg.	Vermilion River	73.00
2	Chemical	Lake Decatur	15.50
12	Metals, Chemical, Food, & Paper	Illinois River	135.23
			1369.44

(a) Private industrial supplies, exclusive of any waters supplied through community systems, such as Chicago and other Lake Michigan communities.

(b) Industrial manufacturing and processing pumpage.

(c) Industrial water usage not reported to avoid disclosure of water use data.

TABLE II-19a

INDUSTRIAL WATER SUPPLIES (ILLINOIS INDUSTRIES)(a) FROM UNDERGROUND SOURCES IN THE ILLINOIS RIVER BASIN

County	Number Plants	Chem.	Food	Metal	Misc.	Average Pumpage MGD (b)
Cook	148	X	X	X	X	23.23
DuPage	100	X	X	X	X	5.35
Lake	31	X	X	X	X	2.16
Will	29	X	X	X	X	12.60
Bureau	2					0.08
Brown	1		X			0.06
Cass						
De Kalb	12		X	X	X	1.93
Pike						
Grundy	2	X			X	0.70
LaSalle	14	X	X	X	X	6.65
Lee	1		X			0.50
Henry	5			X	X	1.50
Livingston	2				X	0.22
Adams	1		X			0.50
Hancock	2		X		X	0.21
Henderson	1				X	0.06
Warren						
McDonough	3		X		X	0.07
Fulton						
Knox	2				X	0.35
Schuyler						
Mason						
DeWitt	1				X	0.60
McLean	2		X			0.70
Woodford	2				X	0.90
Marshall	1	X				0.70
Peoria	50	X	X	X	X	23.31
Stark	2		X		X	0.50
Tazewell	28		X	X	X	17.81
Logan						
Sangamon						
Christian	5		X		X	1.35
Montgomery						
Macoupin						
Jersey						
Putnam						
Calhoun						
Greene						

TABLE II-19b

INDUSTRIAL WATER SUPPLIES (ILLINOIS INDUSTRIES) (a) FROM UNDERGROUND SOURCES IN THE ILLINOIS RIVER BASIN

County	Number Plants	Chem.	Food	Metal	Misc.	Average Pumpage MGD (b)
Scott	1				X	0.02
Morgan						
Menard	1				X	0.10
Iroquois	8		X		X	0.74
Vermilion	9		X	X	X	0.94
Ford	4		X		X	0.79
Champaign	10		X	X	X	3.48
Piatt	1				X	0.03
Macon	1		X			0.04
Shelby						
Kane	48	X	X	X	X	4.19
McHenry	16	X	X	X	X	2.29
Kendall	2			X		0.65
Kankakee	6	X	X	X		4.70
						120.01

(a) Private industrial supplies, exclusive of any water supplied through community systems.

(b) Industrial manufacturing and processing pumpage.

TABLE II-20

INDUSTRIAL WATER SUPPLIES IN CALUMET AREA
OF LAKE MICHIGAN BASIN (M-16)

Number Plants	Type Industries	Average Pumpage MGD
4	Petroleum Refining	250
5	Steel	2093
3	Chemical	67
1	Food	11
2	Paper	2
		2423

TABLE II-21

NAVIGATION CAPACITY OF ILLINOIS WATERWAY
BELOW LOCKPORT (7)

Existing Lock	Capacity of Waterway as Limited by Lock Capacity (Tons Annually)	Estimated Date When Commerce on Waterway Will Reach Capacity
Lockport	29,800,000	1968
Brandon Road	29,800,000	1968
Dresden Island	34,200,000	1972
Marseilles	32,600,000	1970
Starved Rock	39,700,000	1977
Peoria	39,700,000	1977
LaGrange	39,700,000	1977

TABLE II-22a
WATER USAGE OF
EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Estimated Water Pumpage MGD	Reported Minimum Available MGD
American Steel Foundries	Joliet Works	1	Chicago Sanitary & Ship Canal	5,000	7	N.A.
Bemis Brothers	Peoria	2	Illinois River	2,800	4	N.A.
Bloomington Municipal	Bloomington	3	*	6,116	*	*
Bushnell Municipal	Bushnell	4	*	4,096	*	*
Central Illinois Light Co.	Liberty Street	5	Illinois River	22,000	31	N.L.
	R. S. Wallace	6	Illinois River	136,000	336	N.L.
	E. D. Edwards	7	Illinois River	325,445	468	N.L.
Central Illinois Public Service Co.	Meredosia	8	Illinois River	300,000	112	N.L.
Chicago Sanitary District	Southwest	9	a/	18,000	a/	a/
Commonwealth Edison Co.	Aurora b/	10	Fox River	48,000	65	129
	Calumet	11	Calumet River	294,500	163	c/
	Crawford	12	Chicago Sanitary & Ship Canal	427,360	860	517

TABLE II-22b
WATER USAGE OF
EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Estimated Water Pumpage MGD	Reported Minimum Available MGD
Commonwealth Edison Co.	Dresden d/	13	Illinois River	208,675	234	1940
	Fisk	14	So.Branch Chicago River	778,582	767	517
	Joliet	15	Des Plaines River	542,000	710	1420
	Northwest	16	No.Branch Chicago River	223,750	48	291
	Powerton	17	Illinois River	320,000	713	1490
	Ridgeland	18	Chgo.Sanitary & Ship Canal	710,000	921	1230
	Waukegan	19	Lake Michigan	752,450	372	N.L.
	Will County	20	Chgo. Sanitary & Ship Canal	670,450	735	1360
Commonwealth Edison Co. of Indiana	State Line	21	Lake Michigan	565,000	497	N.L.
Corn Products Refinery Co.	Argo	22	Chgo.Sanitary & Ship Canal	30,700	44	N.A.
Farmer City Municipal	Farmer City	23	*	1,866	*	*
Illinois Power Co.	Bloomington	24	Sugar Creek	3,500	5	N.A.
	Decatur	25	N.A.	3,500	5	N.A.
	Havana	26	Illinois River	230,000	331	N.L.
	Hennepin	27	Illinois River	306,250	440	N.L.
	Galesburg	28	N.A.	3,500	5	N.A.
Illinois Rural Electric Co.	Winchester	29	*	3,200	*	*

TABLE II-22c
WATER USAGE OF
EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Estimated Water Pumpage MGD	Reported Minimum Available MGD
Inland Steel Co.	Indiana Harbor	30	Lake Michigan	150,500	216	N.A.
Jacksonville Municipal	Jacksonville	31	*	7,590	*	*
Libby-Owens Ford Glass Co.	Ottawa	32	Illinois River	31,900	46	N.A.
Little Sister Electric Corp.	St. David	33	N.A.	2,750	4	N.A.
Northern Indiana Public Service Co.	Dean H. Mitchell	34	Lake Michigan	414,300	595	N.L.
	Michigan City	35	Lake Michigan	211,030	304	N.L.
Peru Municipal	Peru	36	Wabash River	37,000	53	N.L.
Princeton Municipal	Princeton)	37	N.A.	2,750	4	N.A.
	Princeton)		*	5,500	*	*
Rantoul Municipal	Rantoul	38	*	8,032	*	N.A.
Rensselaer Municipal	Rennselaer	39	*	7,080	*	*
Springfield Municipal	Lakeside	40	Lake Springfield	80,000	115	236

TABLE II-22d
WATER USAGE OF
EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Estimated Water Pumpage MGD	Reported Minimum Available MGD
Staley, A. E.	Staley Mfg.Co.	41	Lake Decatur	16,000	23	N.A.
Stonington Municipal	Stonington	42	*	1,016	*	*
Union Carbide Corp.	E. Chicago	43	Lake Michigan	10,000	14	N.A.
U.S. Govt. Atomic Energy Commission	Argonne d/	44	Des Plaines River	5,000	7	N.A.
U.S. Govt. Navy	Great Lakes	45	Lake Michigan	2,800	4	N.A.
U.S. Industrial Chemical Corp.	Tuscola	46	Lake Michigan	12,500	18	N.A.
U.S. Steel Corp.	Buffington	47	Lake Michigan	22,500	32	N.A.
	Gary)	48	Lake Michigan	75,000	108	N.A.
	Gary)		*	71,000	*	*
Walker, Hiram & Sons	Peoria	49	Illinois River	7,000	10	N.A.
Winnetka Municipal	Winnetka	50	*	25,500	*	*

TABLE II-22e
WATER USAGE OF
EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Estimated Water Pumpage MGD	Reported Minimum Available MGD
Wisconsin Electric Power Co.	Commerce St. "A")	51	Milwaukee River	32,500	47	N.L.
	Commerce St. "B")		Milwaukee River	35,000	50	N.L.
	Lakeside	52	Lake Michigan	310,800	447	N.L.
	Oak Creek (5 units)	53	Lake Michigan	775,000	1,115	N.L.
	Racine	54	Root River	23,500	34	N.L.
	E. Wells St."B"	55	Milwaukee River	15,000	22	N.L.
Woodstock Municipal	Woodstock) e/	56	N.A.	14,000	20	N.A.
	Woodstock) e/		*	2,910	*	*
Youngstown Sheet & Tube Co.	Indiana Harbor	57	Lake Michigan	95,000	137	N.A.
				9,453,198	11,298	

* Internal Combustion
a/ Does not use condensing water.
b/ To be retired.
c/ Dependent upon level of Lake Michigan and the diversion at the locks near Lake Calumet.
d/ Nuclear
e/ Retired June '62

N.A. Not available
N.L. Not limited

TABLE II-23a

OUTPUT LIMITATION OF EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Unlimited by Condensing Water or Ambient Temperature kw	Limited by Condensing Water or Ambient Temperature kw
American Steel & Foundries	Joliet Works	1	Chicago Sanitary & Ship Canal	5,000	N.A.	N.A.
Bemis Brothers	Peoria	2	Illinois River	2,800	N.A.	N.A.
Bloomington Municipal	Bloomington	3	*	6,116	6,116	*
Bushnell Municipal	Bushnell	4	*	4,096	4,096	*
Central Illinois Light Co.	Liberty Street	5	Illinois River	22,000	25,000	N.L.
	R. S. Wallace	6	Illinois River	136,000	133,000	N.L.
	E. D. Edwards	7	Illinois River	325,445	320,000	N.L.
Central Illinois Public Service	Meredosia	8	Illinois River	300,000	353,000	346,000
Chicago Sanitary District	Southwest	9	a/	18,000	21,375	N.L.
Commonwealth Edison Co.	Aurora	10	Fox River	48,000	52,000	51,000
	Calumet	11	Calumet River	294,500	300,000	283,000
	Crawford	12	Chicago Sanitary & Ship Canal	427,360	365,000	343,000

TABLE II-23b

OUTPUT LIMITATION OF EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Unlimited by Condensing Water or Ambient Temperature kw	Limited by Condensing Water or Ambient Temperature kw
Commonwealth Edison Co.	Dresden d/	13	Illinois River	208,675	180,000	N.A.
	Fisk	14	So.Branch Chicago River	778,582	627,000	607,000
	Joliet	15	DesPlaines River	542,000	506,000	486,000
	Northwest	16	No.Branch Chicago River	223,750	222,000	208,000
	Powerton	17	Illinois River	320,000	330,000	312,000
	Ridgeland	18	Chicago Sanitary & Ship Canal	710,000	640,000	616,000
	Waukegan	19	Lake Michigan	752,450	723,000	710,000
	Will County	20	Chicago Sanitary & Ship Canal	670,450	585,000	566,000
Commonwealth Edison Co. of Indiana	State Line	21	Lake Michigan	565,000	562,000	555,000
Corn Products Refinery Co.	Argo	22	Chicago Sanitary & Ship Canal	30,700	N.A.	N.A.
Farmer City Municipal	Farmer City	23	*	1,866	1,866	*
Illinois Power Co.	Bloomington	24	Sugar Creek	3,500	N.A.	N.A.
	Decatur	25	N.A.	3,500	N.A.	N.A.
	Havana	26	Illinois River	230,000	264,000	260,000
	Hennepin	27	Illinois River	306,250	316,000	307,000
	Galesburg	28	N.A.	3,500	N.A.	N.A.

TABLE II-23c
OUTPUT LIMITATION OF EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Unlimited by Condensing Water or Ambient Temperature kw	Limited by Condensing Water or Ambient Temperature kw
Illinois Rural Electric Co.	Winchester	29	*	3,200	3,200	*
Inland Steel Co.	Indiana Harbor	30	Lake Michigan	150,500	N.A.	N.A.
Jacksonville Municipal	Jacksonville	31	*	7,590	7,390	*
Libby-Owens Ford Glass Co.	Ottawa	32	Illinois River	31,900	N.A.	N.A.
Little Sister Electric Co.	St. David	33	N.A.	2,750	N.A.	N.A.
Northern Indiana Public Service Co.	Dean H. Mitchell	34	Lake Michigan	414,300	390,000	N.A.
	Michigan City	35	Lake Michigan	211,030	203,000	N.A.
Peru Municipal	Peru	36	Wabash River	37,000	37,000	37,000
Princeton Municipal	Princeton)	37	N.A.	2,750	2,750	N.A.
	Princeton)		N.A.	5,500	5,500	*
Rantoul Municipal	Rantoul	38	*	8,032	8,032	*
Rensselaer Municipal	Rensselaer	39	*	7,080	6,600	*
Springfield Municipal	Lakeside	40	Lake Springfield	80,000	76,400	76,400

TABLE II-23d

OUTPUT LIMITATION OF EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Unlimited by Condensing Water or Ambient Temperature kw	Limited by Condensing Water or Ambient Temperature kw
Staley, A. E.	Staley Mfg. Co.	41	Lake Decatur	16,000	N.A.	N.A.
Stonington Municipal	Stonington	42	*	1,016	1,016	*
Union Carbide Corp.	E. Chicago	43	Lake Michigan	10,000	N.A.	N.A.
U.S. Govt. Atomic Energy Commission	Argonne d/	44	Des Plaines River	5,000	N.A.	N.A.
U.S. Govt. Navy	Great Lakes	45	Lake Michigan	2,800	N.A.	N.A.
U.S. Industrial Chemical Corp.	Tuscola	46	Lake Michigan	12,500	N.A.	N.A.
U.S. Steel Corp.	Buffington	47	Lake Michigan	22,500	N.A.	N.A.
	Gary	48	Lake Michigan	75,000	N.A.	N.A.
	Gary		*	71,000	N.A.	*
Walker, Hiram & Sons	Peoria	49	Illinois River	7,000	N.A.	N.A.
Winnetka Municipal	Winnetka	50	*	25,500	N.A.	*

TABLE II-23e
OUTPUT LIMITATION OF EXISTING FUEL PLANTS IN AND SERVING THE ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Water Source	Installed Capacity 1-1-61 kw	Unlimited by Condensing Water or Ambient Temperature kw	Limited by Condensing Water or Ambient Temperature kw
Wisconsin Electric Power Co.	Commerce St."A")	51	Milwaukee River	32,500	30,000	N.L.
	Commerce St."B")		Milwaukee River	35,000	35,000	N.L.
	Lakeside	52	Lake Michigan	310,800	266,000	N.L.
	Oak Creek (5 units)	53	Lake Michigan	775,000	775,000	N.L.
	Racine	54	Root River	23,500	22,000	N.L.
	E. Wells St."B"	55	Milwaukee River	15,000	13,700	N.L.
Woodstock Municipal	Woodstock) c/	56	N.A.	14,000	14,000	N.A.
	Woodstock) c/		*	2,910	2,910	*
Youngstown Sheet & Tube Co.	Indiana Harbor	57	Lake Michigan	95,000	N.A.	N.A.

* Internal Combustion
a/ Does not use condensing water.
b/ To be retired.
c/ Retired June '62.
d/ Nuclear

N.A. Not available.
N.L. Not limited.

TABLE II-24a

PLANNED ADDITIONS AND RETIREMENTS FOR EXISTING FUEL PLANTS

Owner	Plant Name	Map Reference Number	Planned Additions and Retirements		New Total kw	Est. Additional Water Pumpage MGD
			Capacity kw	Effective Date		
American Steel & Foundries	Joliet Works	1			5,000	-
Bemis Brothers	Peoria	2			2,800	-
Bloomington Municipal	Bloomington	3	3,000 a/	1963	9,116	-
Bushnell Municipal	Bushnell	4	2,000 a/	After 1963	6,096	-
Central Illinois Light Co.	Liberty Street	5			22,000	-
	R. S. Wallace	6			136,000	-
	E. D. Edwards	7			325,445	-
Central Illinois Public Service Co.	Meredosia	8			300,000	-
Chicago Sanitary District	Southwest a/	9			18,000	-
Commonwealth Edison Co.	Aurora	10	48,000 c/	Feb. 1963	0	0
	Calumet	11			294,500	-
	Crawford	12	91,500 d/	Aug. 1961		
	"		104,000 c/	Feb. 1965		
	"		325,000 e/	Apr. 1961	556,860	186
	Dresden g/	13			208,675	-
	Fisk	14	147,000 d/	Sept. 1962	631,582	-212
	Joliet	15	1,160,000	May 1966	1,702,000	1670
	Northwest	16			223,750	-

TABLE II-24b

PLANNED ADDITIONS AND RETIREMENTS FOR EXISTING FUEL PLANTS

Owner	Plant Name	Map Reference Number	Planned Additions and Retirements			
			Capacity kw	Effective Date	New Total kw	Est. Additional Water Pumpage MGD
Commonwealth Edison Co.	Powerton	17			320,000	-
	Ridgeland	18			710,000	-
	Waukegan	19	340,000 e/	July 1962	1,092,450	490
	Will County	20	532,000	Apr. 1963	1,202,450	765
Commonwealth Edison Co. of Indiana	State Line	21	325,000 e/	May 1962	890,000	468
Corn Products Refinery Co.	Argo	22			30,700	-
Farmer City Municipal	Farmer City	23			1,866	-
Illinois Power Co.	Bloomington	24			3,500	-
	Decatur	25			3,500	-
	Havana	26			230,000	-
	Hennepin	27			306,250	-
	Galesburg	28			3,500	-
Illinois Rural Electric Co.	Winchester	29			3,200	-
Inland Steel Co.	Indiana Harbor	30			150,500	-
Jacksonville Municipal	Jacksonville	31			7,590	-
Libby-Owens Ford Glass Co.	Ottawa	32			31,900	-
Little Sister Electric Corp.	St. David	33			2,750	-

TABLE II-24c

PLANNED ADDITIONS AND RETIREMENTS FOR EXISTING FUEL PLANTS

Owner	Plant Name	Map Reference Number	Planned Additions and Retirements			
			Capacity kw	Effective Date	New Total kw	Est. Additional Water Pumpage MGD
Northern Indiana Public Service Co.	Dean H. Mitchell	34			414,300	-
	Michigan City	35			211,030	-
Peru Municipal	Peru	36			37,000	-
Princeton Municipal	Princeton)	37			2,750	-
	Princeton)				5,500	-
Rantoul Municipal	Rantoul	38	1,600 e/	1961	9,632	2
Rensselaer Municipal	Rensselaer	39	2,000 a/	1963	9,080	3
Springfield Municipal	Lakeside	40	33,000	Nov.1961	113,000	48
Staley, A. E.	Staley Mfg. Co.	41			16,000	-
Stonington Municipal	Stonington	42			1,016	-
Union Carbide Corp.	E. Chicago	43			10,000	-
U.S. Govt. Atomic Energy Commission	Argonne g/	44			5,000	-
U.S. Govt. Navy	Great Lakes	45			2,800	-
U.S. Industrial Chem. Corp.	Tuscola	46			12,500	-
U.S. Steel Corp.	Buffington	47			22,500	-
	Gary)	48			75,000	-
	Gary)				71,000	-

TABLE II-24d

PLANNED ADDITIONS AND RETIREMENTS FOR EXISTING FUEL PLANTS

Owner	Plant Name	Map Reference Number	Planned Additions and Retirements			
			Capacity kw	Effective Date	New Total kw	Est. Additional Water Pumpage MGD
Walker, Hiram & Sons	Peoria	49			7,000	-
Winnetka Muncipal	Winnetka	50	5,000 a/		30,500	7
Wisconsin Electric Power Co.	Commerce St."A")	51			32,500	-
	Commerce St."B")				35,000	-
	Lakeside	52			310,800	-
	Oak Creek (5 units)	53	275,000 e/			
	"		275,000 f/		1,325,000	792
	Racine	54			23,500	-
	E. Wells St."B"	55			15,000	-
Woodstock Municipal	Woodstock)	56	14,100 e/	June 1962	0	-20
	Woodstock)		2,910 e/	June 1962	0	-
Youngstown Sheet & Tube Co.	Indiana Harbor	57			95,000	-
					12,324,388	4,199

a/ Not verified by the utility.
b/ Does not use condensing water.
c/ To be retired.
d/ Retired.
e/ In service.
f/ Being considered.
g/ Nuclear.

TABLE II-25

SCHEDULED NEW FUEL PLANTS
ILLINOIS RIVER BASIN

Owner	Plant Name	Map Reference Number	Capacity kw	Scheduled Date of Completion
Commonwealth Edison Co.	a/	58	1,000,000	1965-1970
Northern Indiana Public Service Co.	Bailly b/)		193,300	Dec. 1962
	Bailly c/)	59	183,300	1967
		Total	1,376,600	

a/ Minemouth plant 20 miles southeast of Springfield, Illinois, near Kincaid, Illinois, is being considered. (Steam)

b/ Verified by the utility. (Steam)

c/ Not verified by the utility. (Steam)

TABLE II-26

EXISTING HYDROELECTRIC POWER PLANTS
ILLINOIS RIVER BASIN

Name of Owner	Name of Plant	River	Map Reference Number	Installed Capacity kw	Average Annual Generation 1000 kwh	Gross Head Ft.
North Counties Hydro-electric Co.	Dayton	Fox	60	3,680	17,000	30
National Biscuit Co.	Marseilles	Illinois	61	450	1,700	15
Illinois Power Co.	Marseilles	Illinois	62	2,024	19,000	16
Sanitary District of Chicago	Lockport	Des Plaines	63	19,900	75,000	39
Indiana & Michigan Electric Co.	South Bend	St. Joseph	64	1,500	3,600	10
				27,554	116,300	

TABLE II-27

PROPOSED HYDROELECTRIC POWER PLANTS
ILLINOIS RIVER BASIN

Name of Project or Site	River	Map Reference Number	Installed Capacity kw	Average Annual Generation 1000 kwh	Gross Head Ft.
Starved Rock	Illinois	65	9,000	59,500	18
Wedron	Fox	66	8,000	48,000	68
Marseilles	Illinois	67	18,000	97,900	24
Dresden Island	Illinois	68	9,600	62,200	20
Brandon Road	Des Plaines	69	11,300	69,700	34
Old State Dam	Kankakee	70	6,600	30,800	20
Wilmington	Kankakee	71	4,300	21,200	13
Custer Park	Kankakee	72	15,000	85,000	58
Aroma Park	Kankakee	73	2,900	15,900	15
			84,700	490,200	

TABLE III-1
SOURCES OF SEWAGE POLLUTION - SUMMARY - ILLINOIS RIVER BASIN

SUBBASINS 1 THRU 15 PLUS LAKE MICHIGAN SUBBASIN 16

Subbasin No.	River Basin	Number		Treatment			Estimated Population Connected to Sewers	Estimated Sewered Population Equivalent (BOD Basis)	
		Places Served	Sewage Works	Minor or None	Primary	Secondary		Untreated	Discharged
1	North Branch Chicago River	29	12	0	1	11	1,263,400	1,127,600	55,500
2	Illinois River System and Minor Tributaries (Lake Michigan to Confluence Kankakee River)	81	22	2	4	16	3,016,500	6,415,600	713,200
3	Cal-Sag Channel and Tributaries	93	63	9	2	52	1,018,700	1,163,280	182,500
4	Des Plaines River	84	82	2	1	79	171,000	188,000	36,400
5	Du Page River	31	29	1	0	28	115,900	97,100	19,000
6	Kankakee River	57	57	33	2	22	170,473	197,251	77,089
7	Fox River	69	70	4	3	63	319,545	314,390	69,670
8	Vermillion River	22	22	14	1	7	43,979	43,977	12,105
9	Mackinaw River	18	18	15	0	3	22,262	22,094	14,713
10	Spoon River	20	20	9	1	10	50,763	32,669	10,984
11	LaMoine River	14	15	8	0	7	35,996	38,496	11,168
12	Sangamon River	44	45	22	1	22	313,154	392,963	69,543
13	Macoupin Creek	5	5	0	1	4	17,384	18,384	4,208
14	Illinois River System and Minor Tributaries (Kankakee River to Spoon River)	97	98	64	11	23	287,007	431,812	152,299
15	Illinois River System and Minor Tributaries (Spoon River to Grafton, Illinois)	14	15	2	2	11	47,074	77,184	17,651
	TOTALS - Illinois River Basin	678	573	185	30	358	6,893,137	10,560,800	1,446,030
16	Lake Michigan LM_{16}	51	28	10	0	18	327,670	420,060	55,665

TABLE III-2
SOURCES OF SEWAGE POLLUTION - NORTH BRANCH CHICAGO RIVER SUBBASIN
SUBBASIN NO. 1 - 325.6 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BCD Basis) Untreated (6)	Discharged (7)
COOK COUNTY - ILLINOIS						
North Side Plant (MSD) (d)	N. Shore Chnl.	8-3	Sec.	1,231,000	1,086,000	48,400
Smaller Sources - Four			All Sec.	1,100	1,100	200
SUBTOTALS				1,232,100	1,087,100	48,600
LAKE COUNTY - ILLINOIS						
Park City Trailer Park	Skokie Creek	23-21	Pri. (a)	1,200	1,200	800
Great Lakes Naval Tr. Sta. Green Bay Plant	Skokie Creek	23-17	Sec.	7,500	8,400	800
North Shore San. District Clavey Road Plant (b)	Skokie Creek	23-7	Sec.	10,000	11,000	1,500
Deerfield (c)	Union Dr. Dth.	20-11	Sec.	12,000	19,300	3,700
Smaller Sources - Three			All Sec.	600	600	100
SUBTOTALS				31,300	40,500	6,900
TOTALS FOR SUBBASIN				1,263,400	1,127,600	55,500

(a) Single and communal septic tanks partly discharging to Creek.
(b) Serves parts of Highland Park, Highwood and scattered unincorporated areas and commercial establishments.
(c) Includes contribution from Bannockburn.
(d) Serves Evanston, Glencoe, Glen Oak Acres S.D., Glenview, Golf, Kenilworth, Lincolnwood, Morton Grove, Niles, Northbrook, Northfield, Northfield Woods, Skokie, Wilmette, Winnetka, Winfield community.

TABLE III-3a

SOURCES OF SEWAGE POLLUTION - ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES

SUBBASIN NO. 2 - LAKE MICHIGAN TO KANKAKEE RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. River (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
COOK COUNTY - ILLINOIS						
WSW Plt. (MSD) (a)	Ill. Waterway	315.8	Sec.	2,917,200	6,320,000	651,000
Lemont	I & M Canal	300.5	Sec. (b)	3,400	3,400	500 E
Smaller Sources - Five			All Sec.	1,500	1,100	200
SUBTOTALS				2,922,100	6,324,500	651,700
WILL COUNTY - ILLINOIS						
Frankfort	Br. Hickory Cr.	301.9	Sec.	1,100	1,100	200
Lockport	Deep Run Cr.	292.5	Pri.	7,500	5,000	2,600
Mokena	Br. Marley Cr.	300.4	Sec.	1,300	1,300	300
Bonnie Brae Subd.	Big Run Cr.	294.6	Sec.	1,400	1,400	300
New Lenox	Hickory Cr.	294.5	Sec.	1,700	1,700	300
Joliet	Spg. & Hickory Cr.	286.5-290.0	Pri. & None	71,600	71,600	50,100
Joliet Fringe-Urban-Unincorp.	I & M, Hickory Cr.	286-290	Minor	6,000	6,000	6,100
Smaller Sources - Eight			5-Sec.	1,600	1,400	300
			2-Pri.	1,300	700	400
			1-None	900	900	900
SUBTOTALS				94,400	91,100	61,500
TOTALS FOR SUBBASIN				3,016,500	6,415,600	713,200

Footnotes on following page

TABLE III-3b

ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES, SUBBASIN NO. 2

(a) Serves Arlington Heights, Bellwood, Berkeley, Berwyn, Brickman Manor, Bridgeview, Broadview, Brookfield, Central Stickney S.D., Cicero, Des Plaines, Elk Grove, Elmwood Park, Forest Park, Forest View, Franklin Park, Grandview (Oak Lawn), Harwood Heights, Highland (LaGrange), Hillside, Hometown, LaGrange, LaGrange Park, Lyons, Manor Heights S.D., Maywood, McCook, Melrose Park, Mt. Prospect, Norridge, Northlake, North Riverside, Oak Park, Orchard Place S.D., Palatine, Palatine Heights, Park Ridge, Plum Grove Estates, Prospect Meadows S.D., Riverside, River Grove, River Forest, Rolling Meadows, Rosemont, Schiller Park, South Stickney S.D., Stickney, Stone Park, Summit, Westchester, Western Springs, Willow Springs, Bedford Park, Countryside S.D. (Edgewood & Edgewood Park), Algonquin Road, Blackhawk Subdivision (Palatine), Bluett, Cumberland Heights, Greenwood Gardens (Des Plaines Subdivision), Gunnison Improvement Club and Hodgkins.

(b) New plant placed in operation; no analytical data available.

TABLE III-4a
SOURCES OF SEWAGE POLLUTION - CALUMET-SAG CHANNEL AND TRIBUTARIES
SUBBASIN NO.3 - 303.4 MILES ABOVE MOUTH OF THE ILLINOIS RIVER[a]

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
COOK COUNTY - ILLINOIS						
Sauk Village & Indian Hill	Lansing Dr. Dth.	16-9-5-6-7	Sec.	2,600	2,100	300
Southdale Subdivision	Lansing Dr. Dth.	16-9-5-6-6	Sec.	1,200	800	100
Matteson	Butterfield Cr.	16-9-8-8-1	Sec.	3,000	3,000	200
East Chicago Heights	Deer Creek	16-9-8-4	Sec.	3,300	3,300	500
Bloom Township San.Dist.(b)	Thorn Creek	16-9-11	Sec.	68,000	77,000	16,900
Flossmoor	Butterfield Cr.	16-9-8-3	Sec.	4,600	4,600	700
Homewood	Butterfield Cr.	16-9-8-2	Sec.	14,000	15,000	1,400
Washington Pk.Race Track	Dth.to Thorn Cr.	16-9-7-1	Sec.	20,000	1,000	100
Thornton	Thorn Cr.	16-9-4	Sec.	2,900	2,900	400
Country Club Hills Subdiv.	Cal.Un.Dr.Dth.	16-6-7	Sec.	3,400	3,400	500
Lansing	Little Cal. R.	16-12	Sec.	18,000	18,000	3,600
Sundale Hills Subdiv.[c]	Midlothian Cr.	16-1-10	Sec.	1,400	1,900	200
Park Side Subdiv.[c]	Midlothian Cr.	16-1-9	None(c)	None(c)	2,800	2,800
Hazel Crest	Cal.Un.Dr.Dth.	16-6-3-1	Sec.	6,200	6,200	600
Fernway Subdiv.	Tinley Cr.	11-8	Sec.	1,300	1,400	100
Calumet Plant (MSD)[d]	Cal-Sag Channel	18	Sec.	602,400	624,000	74,000
Ridgeland Water Svcs.Co.[e]	Cal-Sag Channel	11	Sec.	1,200	1,200	100
Orland Park Plant (MSD)	McG.Sl.to Mill Cr.	5-5	Sec.	2,600	1,100	100
Worth-Ridgeland Plt.(MSD)	Cal-Sag Channel	9	Pri.	3,800	3,800	3,800
Worth-Oketo Ave.Plt.(MSD)	Cal-Sag Channel	8	Pri.	4,300	4,300	2,800
Smaller Sources - 29			All Sec.	7,000	7,500	800
SUBTOTALS				771,200	785,300	110,000

TABLE III-41
SOURCES OF SEWAGE POLLUTION - CALUMET-SAG CHANNEL AND TRIBUTARIES
SUBBASIN NO. 3 - 303.4 MILES ABOVE MOUTH OF THE ILLINOIS RIVER(a)

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
WILL COUNTY - ILLINOIS						
Crete	Dth. to Deer Cr.	16-9-8-9-1	Sec.	3,500	3,500	1,000
Steger(f)	Third Creek	16-9-10-5	Sec.	6,400	6,400	1,300
Smaller Sources - One			Minor	300	300	300
SUBTOTALS				10,200	10,200	2,600
LAKE COUNTY - INDIANA						
Black Oak-Ross(g)	Cady Marsh-Hart	16-22-1-6	Minor	17,000	17,000	15,000 E
Schererville	Cady Marsh-Hart	16-16-5	Minor(k)	1,250	1,250 E	1,000 E
Dyer	Hart Ditch	16-16-4	Minor(k)	3,600	3,600	3,000 E
Griffith (part)	Cady Marsh-Hart	16-16-1-3	Minor(l)	7,100	7,100	5,700 E
Highland (part)(h)	Little Cal. R.	22-5	None	5,430	5,430 E	4,880 E
Munster (part)(i)	Little Cal. R.	16-15	None	5,150	5,150 E	4,500 E
East Chicago	Grand Cal. R.	22-6	Sec.	64,800	59,400	9,640
Hammond(j)	Grand Cal. R.	22-5	Sec.	132,000	266,000	25,400
Smaller Sources - Two			All Sec.	600	600	200
One			Minor	1,000	650 E	580 E
SUBTOTALS				237,300	367,780	69,900
TOTALS FOR SUBBASIN				1,018,700	1,163,280	182,500

TABLE III.4c
SOURCES OF SEWAGE POLLUTION - CALUMET-SAG CHANNEL AND TRIBUTARIES
SUBBASIN NO. 3 - 303.4 MILES ABOVE MOUTH OF THE ILLINOIS RIVER(a)

(a) Includes Indiana sources discharging west of weak divides on the Grand Calumet River just west of Indiana Harbor Canal, Mile 28.1, and on Little Calumet River at Mile 39.9. Divides may move easterly or westerly somewhat depending on rains, floods and lake levels. Not included is Gary Main Plant discharging about 18,900 population equivalent at Mile 36.1 to Grand Calumet River, flow of which may divide at Indiana Harbor Canal at times.
(b) Serves Park Forest, Chicago Heights, South Chicago Heights.
(c) Now being sewered for a proposed treatment plant, now partly sewered, septic tanks, etc., with large percentage discharging to Midlothian Creek.
(d) Serves Alsip, Blue Crest, Blue Island, Burnham, Calumet City, Calumet Park, Canterbury Gardens, Chicago Ridge, Dixmoor, Dolton, Evergreen Park, Garden Homes, Harvey, Hickory Hills, Markham, Merrionette Park, Midlothian, Oak Forest, Oak Lawn, Phoenix, Posen, Riverdale, Robbins, South Holland, Keystone Additions, Manor Heights Subdivision, Martin Roberts Subdivision (Oaklawn), and South Stickney.
(e) Sewers and treatment plant serve Crestwood.
(f) The population of Steger is divided 4,300 Will County and 2,100 Cook County.
(g) About 17,000 in Cal-Sag basin; 6,000 in LM_{16} Basin. Due to local weather conditions and dredging operations, 0-90% of this area may drain eastward into Lake Michigan. Many septic tank systems operating improperly or are inadequate.
(h) Planning for interceptor to take 100% of wastes to Hammond SD.
(i) Plans approved for connection to Hammond interceptor.
(j) Includes contributions from Whiting, Munster (part) and Highland (part). Improvements under construction to raise capacity to 36 MGD.
(k) Variously raw or/and individual septic tank effluents discharged to storm sewers, tile outfalls to ditches.
(l) Community sewers receive individual septic tank discharges. Other part to Lake Michigan tributaries.

TABLE III-5a

SOURCES OF SEWAGE POLLUTION - DES PLAINES RIVER SUBBASIN
SUBBASIN NO. 4 - 290.0 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
KENOSHA COUNTY - WISCONSIN						
No known sources of significance in this Subbasin.						
LAKE COUNTY - ILLINOIS						
Gray's Lake	Mill Creek	81-15	Sec.	3,800	2,700	200
Mundelein (a)	Hawthorne Creek	61-7-2	Sec.	10,500	14,900	2,500
Libertyville, No. Plant	Des Plaines R.	69	Sec.	4,100	2,700	200
Libertyville So. Plant	Des Plaines R.	68	Sec.	4,400	3,900	600
Smaller Sources -Twelve			10-Sec.	1,500	1,500	200
			1-Pri.	200	200	100
			1-None	100	100	100
SUBTOTALS				24,600	26,000	3,900
COOK County - ILLINOIS						
Hoffman Estates	Dth. to Salt Cr.	27-31-6	Sec.	8,800	10,200	1,500
Buffalo Gr. Plant (MSD) (b)	Buffalo Cr.	54-3-2	Sec.	3,000	3,200	500
Wheeling Plant (MSD)	Wheeling Dr. Dth.	54-2	Sec.	3,400	8,600	1,100
Edgewood Park Subd.	Dth. to Des Plns,R.	23-2	Sec.	1,200	1,200	100
Smaller Sources - 28			All Sec.	5,900	5,700	1,000
SUBTOTALS				27,300	29,300	4,200

TABLE III-5b

DES PLAINES RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
DU PAGE COUNTY - ILLINOIS						
Bensenville	Salt Creek	27-24-11	Sec.	8,600	8,700	2,500
Roselle	Meecham Creek	27-27	Sec.	3,600	4,800	1,400
Suncrest Highland	Meecham Creek	27-5	Sec.	1,300	1,300	400
Itasca	Itasca Creek	27-27-2	Sec.	3,500	3,500	500
Salt Creek S.D.(c)	Salt Creek	27-26	Sec.	19,000	37,500	3,300
Wood Dale	Salt Creek	27-25	Sec.	2,500	2,500	400
Hinsdale S.D. (d)	Flag Creek	46-6	Sec.	24,000	29,800	4,000
Addison	Salt Creek	27-23	Sec.	6,700	5,300	1,200
Elmhurst	Salt Creek	27-18	Sec.	36,900	28,200	13,000
Oak Brook	Salt Creek	27-15	Sec.	1,400	1,400	200
Argonne Nat'l Lab.	Sawmill Creek	13-1	Ter.	1,400	1,400	100
Smaller Sources - 20	,		All Sec.	4,200	3,200	500
SUBTOTALS				113,100	127,600	27,500
WILL COUNTY - ILLINOIS						
Hampton Park Subd.	Des Plaines R.	7	Sec.	5,000	5,000	500
Smaller Sources - Two			1-Sec.	200	200	200
			1-None (e)	900	300	100
SUBTOTALS				6,100	5,500	800
TOTALS FOR SUBBASIN				171,100	188,000	36,400

(a) Includes contribution from Bannockburn.
(b) Serves Buffalo Grove and various subdivisions and unincorporated areas.
(c) Serves Villa Park.
(d) Serves Hinsdale, Clarendon Hills, part of Westmont and several unincorporated areas.
(e) To be connected to Joliet in 1961.

TABLE III-6a

SOURCES OF SEWAGE POLLUTION - DU PAGE RIVER SUBBASIN

SUBBASIN NO. 5 - 277.1 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
COOK COUNTY - ILLINOIS						
Weathersfield Subdivision (a)	Dth. to W. Br. Du Page R.	61	Sec.	1,100	1,100	200
Bartlett Plant (MSD)	Dth. to W. Br. Du Page R.	54-2	Sec.	1,700	2,800	500
Smaller Sources - One			Sec.	500	500	100
SUBTOTALS				3,300	4,400	800
DU PAGE COUNTY - ILLINOIS						
Lombard	E. Br. DuP. R.	28-19	Sec.	21,600	9,100	2,600
West Chicago	W. Br. DuP. R.	45	Sec.	6,800	9,300	500
Winfield	W. Br. DuP. R.	45	Sec.	1,600	1,600	300
Downers Grove	St. Josephs Cr.	28-R17-3	Sec.	20,000	17,000	3,300
Glen Ellyn	E. Br. DuP. R.	28-R16	Sec.	15,900	6,300	1,900
Wheaton SD.	W. Br. DuP. R.	39-3	Sec.	23,700	21,200	5,300
Oak View Subd.	E. Br. DuP. R.	28-11	Sec.	1,300	1,400	500
Naperville	W. Br. DuP. R.	33	Sec.	13,500	18,900	1,800
Smaller Sources - Thirteen			All Sec.	3,200	3,200	600
SUBTOTALS				107,600	88,000	16,800
WILL COUNTY - ILLINOIS						
Plainfield	Du Page R.	19	Sec.	1,600	1,600	500
Crest Hill City (b)	Rock Run Cr.	1-5-10	Sec.	1,200	1,200	200
Rockdale	I & M Canal	1-9	Sec.	1,300	1,100	200
Smaller Sources - Two			1-Sec.	500	400	100
			1-None	400	400	400
SUBTOTALS				5,000	4,700	1,400
TOTALS FOR SUBBASIN				115,900	97,100	19,000

TABLE III-6b
DU PAGE RIVER SUBBASIN

(a) Serves Shaumberg and Shaumberg Center, except Hoffman Estates.

(b) Incorporated 1960 absorbing Lidice Subdivision. Other absorbed subdivisions are on septic tanks or connected to Joliet sewage treatment works.

TABLE III-1

SOURCES OF SEWAGE POLLUTION - [illegible]

SUBBASIN NO. 6 - 272.8 MILES ABOVE MOUTH OF THE CALUMET RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Severed Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
BENTON COUNTY - INDIANA						
Fowler	Mud Cr.	36-32-37-10	Minor	2,400	2,400 E	2,140 E
Smaller Sources - One			Minor (1)	550	550 E	490 E
SUBTOTALS				2,950	2,950 E	2,630 E
JASPER COUNTY - INDIANA						
St. Joseph College	Ryon Ditch	36-77	Sec.	1,700	1,700 E	275 E
Smaller Sources - Two			All Minor	5,940	5,940 E	5,290 E
SUBTOTALS				7,640	7,640 E	5,565 E
LAKE COUNTY - INDIANA						
St. John	West Cr.	51-7-16	Minor	1,128	1,130 E	1,000 E
Cedar Lake	Cedar Lake	54-8-11	Minor	15,000	15,000 E	13,200 E
Lowell	Cedar Cr.	54-8-5	Minor	2,270	2,270 E	2,000 E
SUBTOTALS				18,398	18,400 E	16,200 E
LA PORTE COUNTY - INDIANA						
La Porte	Travis Ditch	112-13	Sec.	21,000	19,500	3,600
Kingsford Heights	Travis Creek	110-4	Sec.	1,250	1,250 E	300 E
Norman Beatty Hospital	Crooked Creek	83-23	Sec.	3,000	9,000 E	500 E
Smaller Sources - One			Sec.	780	780 E	125 E
SUBTOTALS				26,030	30,530 E	4,525 E

TABLE III-75

KANKAKEE RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Estimated Sewered Population Equivalent (BOD Basis) Discharged (7)
MARSHALL COUNTY - INDIANA						
Bremen	Yellow R.	97-59-2	Minor	3,060	3,060 E	2,300 E
Argos	Wolf Creek	97-34-7	Minor	1,325	1,325 E	1,170 E
Plymouth	Yellow R.	97-42	Minor	7,550	7,550 E	6,750 E
Smaller Sources - One			Sec.	200	200	4
SUBTOTALS				12,135	12,135 E	10,225
FORD COUNTY - ILLINOIS						
Smaller Sources - One			Minor(1)	504	505	450
SUBTOTALS				504	505	450
IROQUOIS COUNTY - ILLINOIS						
Milford	Sugar Cr.	36-32-24	None	1,699	1,699	1,699 E
Sheldon	Trib. to Iroquois R.	36-52-4	Minor	1,137	1,137	1,020 E
Gilman	Gilman Ditch Spring Cr.	36-21-9-7	Sec.	1,704	1,704	256 E
Watseka	Sugar Cr.	36-34	Sec.	5,219	5,219	785 E
Clifton	Trib. to Iroquois R.	36-12-5-3	Minor	1,018	1,018	900 E
Onargo	Spring Cr.	36-21-22	Minor	1,397	1,397	1,255 E
Smaller Sources - Four			All Minor	2,679	2,680	2,400
SUBTOTALS				14,853	14,854	8,315
KANKAKEE COUNTY - ILLINOIS						
Saint Anne	Iroquois R.	36-9-12	None	1,378	1,378	1,378 E
Momence	Kankakee R.	46	Sec.	2,949	2,950	443 E
Manteno	Br. Rock Cr.	22-11	Sec.	2,225	2,225	334 E
Manteno State Hospital	S. Fk. Rock Cr.	22-11	Sec.	11,000	35,584	979

TABLE III-7c
KANKAKEE RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
KANKAKEE COUNTY - ILLINOIS (Cont'd)						
Bradley	Kankakee R.	31-2	Sec.	8,082	7,704	1,424
Kankakee	Kankakee R.	32	Sec.	27,666	27,665 E	4,150 E
West Kankakee	Kankakee R.	31	None	3,197	3,197 E	3,197 E
Bourbonnais	Kankakee R.	29	Sec.	4,125(2)	4,125	619 E
Smaller Sources - Four			1-Minor	744	744	200(3)
			3-Sec.	1,000	1,000	100
SUBTOTALS				62,367	86,572	12,824
NEWTON COUNTY - INDIANA						
Goodland	Dth. to Iroquois R.	36-63-7	Minor	1,200	1,200 E	1,000 E
Kentland	Montgomery Ditch	36-55-10	Minor	1,300	1,300 E	1,150 E
Morocco	Beaver Creek	36-9-7-19	Minor	1,340	1,340 E	1,290 E
Smaller Sources - One			Minor	625	625 E	560 E
SUBTOTALS				4,465	4,465 E	4,000 E
PORTER COUNTY - INDIANA						
Hebron	Cobbs Ditch	76-4	Minor	1,400	1,400 E	1,250 E
Smaller Sources - One			Minor	750	750 E	670 E
SUBTOTALS				2,150	2,150	1,920
ST. JOE COUNTY - INDIANA						
New Carlisle	Dth. to Kankakee R.	138	Sec.	1,300	1,300 E	300 E
Walkerton	Pine Cr.	132	Minor	2,040	2,040 E	1,800 E
Smaller Sources - Two			All Minor	1,350	1,350 E	1,200 E
SUBTOTALS				4,690	4,690 E	3,300 E

TABLE III-7d
KANKAKEE RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
STARK COUNTY - INDIANA						
Knox	Yellow R.	97-12	Pri.	3,400	3,400 E	2,300 E
North Judson	Pine Creek	97-5	Minor	1,940	1,940 E	1,700 E
Smaller Sources - One			Minor	680	680 E	600 E
SUBTOTALS				6,020	6,020 E	4,600 E
VERMILLION COUNTY - ILLINOIS						
Smaller Sources - One			Pri.	761	760	495
SUBTOTALS				761	760	495
WILL COUNTY - ILLINOIS						
Beecher	Trim Cr.	50-13-1	Minor	1,400	1,400 E	1,260
Peotone	Black Walnut Cr.	23-15-5	Sec.	2,000	2,000 E	310 E
Wilmington	Kankakee	10	Sec.	3,600	1,900	430
Smaller Sources - Two			All Sec.	510	280	40 E
SUBTOTALS				7,510	5,580	2,040
TOTALS FOR SUBBASIN				170,473	197,251	77,089

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge directly into the watercourses.

(2) Includes 800 at Nazarene College.

(3) Only 30% discharges to stream; 70% to subsurface.

TABLE III-8a
SOURCES OF SEWAGE POLLUTION - FOX RIVER SUBBASIN
SUBBASIN NO. 7 - 239.7 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
KENOSHA COUNTY - WISCONSIN						
Twin Lakes	Bassett Cr.	121-3-1	Sec.	1,497	1,450	250
SUBTOTALS				1,497	1,450	250
RACINE COUNTY - WISCONSIN						
Waterford	Fox R.	140	Pri.	1,500	1,300 E	900 E
Burlington	Fox R.	132	Sec.	5,856	5,800 E	1,500 E
SUBTOTALS				7,356	7,100	2,400
WALWORTH COUNTY - WISCONSIN						
Williams Bay	Williams Bay Cr.	133-1-19-1	Sec.	1,200	4,830 E	240 E
East Troy	Honey Cr.	133-15	Sec.	1,400	1,400 E	220 E
Lake Geneva	White R.	133-1-12	Sec.	4,900	5,400	725
Fontana	Land & Seepage Lagoon	133	Sec.	3,000	3,000 E	150 E
Walworth	Walworth Cr.		Sec.	1,137	1,068	258 E
Smaller Sources - One			Sec.	900	900	150
SUBTOTALS				12,537	16,598	1,743
WAUKESHA COUNTY - WISCONSIN						
Sussex	Fox R.	179-5	Sec.	1,000	1,000 E	200 E
Pewaukee	Pewaukee R.	169-6	Sec.	2,400	1,836	426
Brookfield (Town)	Brookfield Cr.	172-1	Pri.	1,000	1,000	650
Waukesha	Fox R.	166	Sec.	30,004	44,496	3,990
Mukwonaga	Mukwonaga Cr.	153-1	Sec.	1,800	2,000 E	400 E
SUBTOTALS				36,204	50,332	5,666

TABLE III-8b
FOX RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
DE KALB COUNTY - ILLINOIS						
Sandwich	Little Rock Cr.	31-3-1	Sec.	3,020	3,020	455 E
Smaller Sources - Three			1-Minor(1)	899	899	800
			2-Sec.	1,415	1,415	400
SUBTOTALS				5,334	5,334	1,655
KANE COUNTY - ILLINOIS						
Carpentersville	Fox R.	77	Sec.	2,000	2,000 E	400
Carpentersville (Meadowdale Subd.)	Fox R.	77	Sec.	15,425	15,425	2,314
E. Dundee	Fox R.	76	Sec.	1,800	2,475	197
W. Dundee	Fox R.	76	Sec.	2,450	2,130 E	213 E
Elgin S.D.	Fox R.	73	Sec.	43,560	33,164	20,236
Elburn	Big Rock Cr.	36-26	Sec.	1,100	950 E	143 E
Elgin State Hospital	Fox R.	69	Sec.	7,200	15,737	1,078
St. Charles	Fox R.	58	Sec.	6,709	6,700	1,000 E
Batavia	Fox R.	55	Sec.	7,030	19,000	1,890
Geneva	Fox R.	51	Sec.	7,200	8,694	432
Aurora S.D.	Fox R.	49	Sec.	78,000	48,560	6,377
Smaller Sources - Eleven			1-Minor	940	940	840
			10-Sec.	3,448	2,976	1,368
SUBTOTALS				176,862	145,640	36,488
KENDALL COUNTY - ILLINOIS						
Oswego	Fox R.	43	Sec.	1,220	1,220	185
Yorkville (Bristol S.D.)	Blackberry Cr.	36	Sec.	1,170	1,170	175
Plano	Big Rock Cr.	31-3	Sec.	2,150	2,150	320
SUBTOTALS				4,540	4,540	680

TABLE III-8c
FOX RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
LAKE COUNTY - ILLINOIS						
Lake Villa	Eagle Cr.	108-4-4	Sec.	1,000	1,100	165
Antioch	Sequoit Cr.	110-5	Sec.	2,200	1,529	133
Round Lake S.D.	Squaw Cr.	108-4	Sec.	6,500	5,070	650
Fox Lake Village	Pistakee Lake	107	Sec.	4,100	4,100	820 E
Wauconda	Slocum Lake	94-4	Sec.	3,300	3,300	330 E
Barrington Village (Part)	Flint Cr.	88-1-7	Sec.	5,413	7,277	597
Lake Zurich	Fox R.	88-5	Sec.	3,460	3,460	519 E
Smaller Sources - Six			1-Minor	282	280	240
			5-Sec.	1,188	1,188	145
SUBTOTALS				27,443	27,304	3,599
LA SALLE COUNTY - ILLINOIS						
Earlville	Indiana Cr.	9-18	Sec.	1,210	1,210	180
Ottawa	Illinois R.-At Mouth of Fox R.		Pri.	18,000	18,000	11,700
Smaller Sources - Two			1-Minor	642	642	540
			1-Sec.	475	600	90
SUBTOTALS				20,327	20,452	12,510
LEE COUNTY - ILLINOIS						
Smaller Sources - One			Sec.	300	300	30
SUBTOTALS				300	300	30
MC HENRY COUNTY - ILLINOIS						
Woodstock	W. Br. Nippersink Cr.	107-18-7	Sec.	9,000	9,000	1,350 E
Crystal Lake (Old Plant)	Crystal Lake	96-6-L10	Sec.			
Crystal Lake (New Plant)	Crystal Lake	96-6	Sec.	8,000(2)	8,560(2)	642(2)
McHenry	Fox R.	101	Sec.	4,000	6,000 E	360 E

TABLE III-8d
FOX RIVER SUBBASIN

Community, Sewer or Sanitary District Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
MC HENRY COUNTY - ILLINOIS (Cont'd)						
Fox River Grove	Fox R.	87	Sec.	1,200	2,150 E	430 E
Cary	Fox R.	85	Sec.	2,200	950 E	190 E
Algonquin	Fox R.	82	Sec.	1,200	1,200	180
Smaller Sources - Two			All Sec.	1,545	7,480	1,497
SUBTOTALS				27,145	35,340	4,649
TOTALS FOR SUBBASIN				319,545	314,390	69,670

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge directly into the watercourse.

(2) Totals for both plants.

TABLE III-9a
SOURCES OF SEWAGE POLLUTION - VERMILION RIVER SUBBASIN
SUBBASIN NO. 8 - 226.2 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
FORD COUNTY - ILLINOIS						
Smaller Sources - One			Minor(1)	807	805	710
SUBTOTALS				807	805	710
LA SALLE COUNTY - ILLINOIS						
Streator	Vermilion R.	25	Sec.	16,868	16,868	1,680 E
Oglesby	Vermilion R.	1	Sec.	3,920	3,920	590 E
Smaller Sources - Nine			8-Minor	2,590	2,590	2,240
			1-Pri.	400	400	380
SUBTOTALS				23,778	23,778	4,890
LIVINGSTON COUNTY - ILLINOIS						
Chatsworth	Vermilion R.	82-7	Minor	1,330	1,330	1,180
Fairbury	Indian Cr.	66-4-16	Sec.	2,937	2,937	440 E
Forrest	S. Fk. Vermilion R.	66-9	Sec.	1,220	1,220	183 E
Pontiac	Vermilion R.	51	Sec.	8,435	8,435	1,260 E
Smaller Sources - Four			3-Minor	1,920	1,920	1,700
			1-Sec.	129	129	12
SUBTOTALS				15,971	15,971	4,775
MC LEAN COUNTY - ILLINOIS						
Chenoa	Rock Cr.	4-18-2	Minor	1,523	1,523	1,350 E
SUBTOTALS				1,523	1,523	1,350

TABLE III-9b
VERMILION RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
WOODFORD COUNTY - ILLINOIS						
Minonk	Long Point Cr.	23-18	Sec.	1,900	1,900	380 E
SUBTOTALS				1,900	1,900	380 E
TOTALS FOR SUBBASIN				43,979	43,977	12,105

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge directly into the waterccurses.

TABLE III-10a

SOURCES OF SEWAGE POLLUTION - MACKINAW RIVER SUBBASIN

SUBBASIN NO. 9 - 151.1 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
FORD COUNTY - ILLINOIS						
Smaller Sources - One			1-None	386	385	385
SUBTOTALS				386	385	385
MC LEAN COUNTY - ILLINOIS						
Lexington	Turkey Creek	95-2	None	1,244	1,244	1,244
Smaller Sources - Three			2-Minor(1)	1,783	1,783	1,600
			1-Sec.	250	83	10
SUBTOTALS				3,277	3,110	2,854
WOODFORD COUNTY - ILLINOIS						
El Paso	E. Br. Panther	56-11-R4	None	1,964	1,964	1,964
Roanoke	Panther Creek	56-9-6	Minor	1,821	1,821	1,630 E
Metamora	Walnut Creek	51-9	Minor	1,808	1,808	1,620 E
Eureka	Walnut Creek	51-4	Sec.	2,500	2,500	750 E
Smaller Sources - Four			All Minor	1,265	1,265	1,110
SUBTOTALS				9,358	9,358	7,074
TAZEWELL COUNTY - ILLINOIS						
Morton	Prairie Creek	28-12	Sec.	5,200	5,200	780 E
Mackinaw	Mackinaw Riv.	34	Minor	1,163	1,163	1,040 E

TABLE III-10b
MACKINAW RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
TAZEWELL COUNTY - ILLINOIS (Cont'd.)						
Tremont	Mackinaw Riv.	28-5	Minor	1,558	1,558	1,400 E
Smaller Sources - Two			All Minor	1,320	1,320	1,180
SUBTOTALS				9,241	9,241	4,400
TOTALS FOR SUBBASIN				22,262	22,094	14,713

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge directly into the watercourses.

TABLE III-11a

SOURCES OF SEWAGE POLLUTION - SPOON RIVER SUBBASIN

SUBBASIN NO. 10 - 120.2 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
BUREAU COUNTY - ILLINOIS						
Smaller Sources - One			Minor(1)	495	495	440
SUBTOTALS				495	495	440
FULTON COUNTY - ILLINOIS						
Farmington	Willow Cr.	49-14	Sec.	2,925	2,925	439 E
Canton	Big Cr.	13-18	Sec.	13,588	14,588	1,450 E
Cuba	Big Cr.	13-8	Pri.	1,350	1,350	1,080 E
Lewistown	Spudaway Cr.	5-6	Sec.	1,730	1,730	260 E
SUBTOTALS				19,593	20,593	3,229
HENRY COUNTY - ILLINOIS						
Kewanee	W. Br. Spoon R.	102-18-6	Sec.	16,000	16,000	160 E
SUBTOTALS				16,000	16,000	160
KNOX COUNTY - ILLINOIS						
Abingdon	Dago Slough	45-20-6	Sec.	3,400	3,400	680 E
Knoxville	Trib. to Haw Cr.	50-16	Sec.	2,400	2,400	360 E
Smaller Sources - Five			All Minor	2,836	2,836	2,530
SUBTOTALS				8,636	8,636	3,570
MC DONOUGH COUNTY - ILLINOIS						
Smaller Sources - One			Minor	613	613	550
SUBTOTALS				613	613	550

TABLE III-11b

SPOON RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
PEORIA COUNTY - ILLINOIS						
Princeville	Prince Run	91-5	Sec.	1,000	1,000	500 E
SUBTOTALS				1,000	1,000	500
STARK COUNTY - ILLINOIS						
Toulon	Indian Cr.	88-11	Sec.	1,200	2,700	600 E
Wyoming	Spoon R.	96	Sec.	1,100	1,100	825 E
Smaller Sources - Two			All Minor	1,126	1,126	1,010
SUBTOTALS				3,426	4,926	2,435
WARREN COUNTY - ILLINOIS						
Roseville	Trib to Nigger Cr.	45-15-11-9	Sec.	1,000	1,000	100 E
SUBTOTALS				1,000	1,000	100
TOTALS FOR SUBBASIN				50,763	32,669	10,984

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge into the watercourses.

TABLE III-12a

SOURCES OF SEWAGE POLLUTION - LA MOINE RIVER SUBBASIN

SUBBASIN NO. 11 - 83.9 MILES ABOVE MOUTH OF THE ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
BROWN COUNTY - ILLINOIS						
Mount Sterling						
West Plant	West Cr.	14-6	Sec.	1,350	1,350	200 E
East Plant	West Cr.		Sec.	912	4,412 E	441 E
SUBTOTALS				2,262	5,762	641
HANCOCK COUNTY - ILLINOIS						
LaHarpe	Pilot Grove Cr.	71-10	Minor	1,322	1,322	1,190 E
Carthage	Prairie Cr.	69-6	Sec.	3,325	3,325	665 E
Smaller Sources - Three			2-Minor(1)	1,340	1,340	1,200
			1-Sec.	915	1,915	190
SUBTOTALS				6,902	7,902	3,245
MC DONOUGH COUNTY - ILLINOIS						
Bushnell	Drowning Fk.Cr.	52-24-4	Sec.	3,710	3,710	742 E
Macomb	Killjordon Cr.	52-16	Sec.	17,000	15,000	3,000 E
Colchester	Troublesome Cr.	48-12	Minor	1,495	1,495	1,340 E
Smaller Sources - Four			All Minor	2,027	2,027	1,810
SUBTOTALS				24,232	22,232	6,892

TABLE III-12b
LA MOINE RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
SCHUYLER COUNTY - ILLINOIS						
Rushville	Tn. Br. to LaMoine R.	9-8	Sec.	2,600	2,600	390 E
SUBTOTALS				2,600	2,600	390
TOTALS FOR SUBBASIN				35,996	38,496	11,168

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge directly into the watercourses.

TABLE III-13a
SOURCES OF SEWAGE POLLUTION - SANGAMON RIVER SUBBASIN
SUBBASIN NO. 12 - 97.7 MILES ABOVE MOUTH OF ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
CHAMPAIGN COUNTY - ILLINOIS						
Fisher	Tr. of Sangamon R.	165-1	Minor	1,155	1,155	1,030 E
Mahomet	Sangamon R.	151	Minor	1,367	1,367	1,220 E
Smaller Sources - One			Sec.	300	100	10
SUBTOTALS				2,822	2,622	2,260
CHRISTIAN COUNTY - ILLINOIS						
Assumption	Big George Cr.	64-54-16-7	None	1,439	1,439	1,439 E
Taylorville S.E. Plant	S. Fk. Sangamon	53	Sec.	3,985	3,985	597 E
Morrisonville	Lick Cr.	41-11	Sec.	1,129	1,129	113 E
Taylorville N.W. Plant	Panther Cr.	41-4	Sec.	5,940	5,940	1,306 E
Kincaid	S. Fk. Sangamon	34	Sec.	1,544	1,544	232 E
SUBTOTALS				14,037	14,037	3,687
DE WITT COUNTY - ILLINOIS						
Farmer City	Salt Cr.	36-97	Sec.	1,838	1,838	276 E
Clinton S.D.	Coon Cr.	36-64-6	Sec.	7,355	6,580 E	1,645 E
Smaller Sources - Four			3-Minor(1)	1,485	1,485	1,320
			1-Sec.	400	400	60
SUBTOTALS				11,078	10,303	3,301
FORD COUNTY - ILLINOIS						
Gibson City	Drummer Cr.	164-10-9	Sec.	3,453	3,453	518 E
SUBTOTALS				3,453	3,453	518

TABLE III-13b
SANGAMON RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
LOGAN COUNTY - ILLINOIS						
Atlanta	Dt. to Kickapoo Cr.	36-28-17	Pri.	1,560	1,560	1,014 E
Mount Pulaski	Tr. to Salt Cr.	36-44	Sec.	1,689	1,689	170 E
Lincoln	Salt Cr.	36-33	Sec.	18,000	23,738 E	2,035 E
SUBTOTALS				21,249	26,987	3,219
MC LEAN COUNTY - ILLINOIS						
Leroy	Salt Cr.	36-72-18	Minor	2,088	2,088	1,850 E
Heyworth	Kickapoo Cr.	36-26-34	None	1,196	1,196	1,196 E
Bloomington-Normal S.D.	Sugar Cr.	36-11-46	Sec.	52,500	77,145	10,425
Smaller Sources - Six			5-Minor	3,376	3,376	2,960
			1-Sec.	218	218	22
SUBTOTALS				59,378	84,023	16,453
MACON COUNTY - ILLINOIS						
Macon-Macon S.D.	Willow Cr.	64-54-14-8	Sec.	1,229	1,229	184 E
Maroa	Lk. Fk. of Salt Cr.	36-34-41	Sec.	1,235	1,235	185 E
Decatur-Decatur S.D.	Sangamon R.	104	Sec.	78,004	155,800	24,900
SUBTOTALS				80,464	158,264	25,269
MACOUPIN COUNTY - ILLINOIS						
Virden S.D.	Dt. Brush Cr.	64-7-4-18	Sec.	3,200	3,200	480 E
SUBTOTALS				3,200	3,200	480

TABLE III-13c
SANGAMON RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
MASON COUNTY - ILLINOIS						
Mason City	Salt Cr.	36-8	Minor	2,160	2,160	1,930 E
SUBTOTALS				2,160	2,160	1,930
MENARD COUNTY - ILLINOIS						
Petersburg	Sangamon R.	36-8	Sec.	2,350	2,350	235 E
SUBTOTALS				2,350	2,350	235
PIATT COUNTY - ILLINOIS						
Monticello	Sangamon R.	134	Sec.	3,219	3,219	480 E
CerroGordo	Lake Decatur	97-13	Minor	1,067	1,067	950 E
Smaller Sources - Two			All Minor	1,165	1,165	1,030
SUBTOTALS				5,451	5,451	2,460
SANGAMON COUNTY - ILLINOIS						
Auburn	City Cr.	64-R8	Sec.	2,000	2,000	300 E
Riverton	Sangamon R.	62	Sec.	1,250	1,250	187 E
Springfield S.D.	Spring Cr.	52-4	Sec.	100,000	72,600	6,534
Smaller Sources - Two			All Minor	1,477	1,475	220
SUBTOTALS				104,727	77,325	7,241

TABLE III-13d
SANGAMON RIVER SUBBASIN

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
SHELBY COUNTY - ILLINOIS						
Moweaqua	Flat Br. S.Fk. Sangamon	64-54-18	Minor	1,614	1,614	1,440 E
SUBTOTALS				1,614	1,614	1,440
TAZEWELL COUNTY - ILLINOIS						
Smaller Sources - Two			All Minor	1,174	1,174	1,050
SUBTOTALS				1,174	1,174	1,050
TOTALS FOR SUBBASIN				313,154	392,963	69,543

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge directly into watercourses.

TABLE III-14
SOURCES OF SEWAGE POLLUTION - MACOUPIN CREEK SUBBASIN
SUBBASIN NO. 13 - 22.9 MILES ABOVE MOUTH OF ILLINOIS RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Subbasin (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
GREENE COUNTY - ILLINOIS						
Carrollton	Drainage Links Br.	14-4	Pri.	2,350	2,350	1,880 E
Smaller Sources - One			Sec.	880	880	130
SUBTOTALS				3,230	3,230	2,010
JERSEY COUNTY - ILLINOIS						
Jerseyville	DeArcy Cr.	22-1-5	Sec.	7,420	7,420	1,038 E
SUBTOTALS				7,420	7,420	1,038
MACOUPIN COUNTY - ILLINOIS						
Girard	Tn. Br. of Otter Cr.	77-6	Sec.	1,734	1,734	260 E
Carlinville	Carlinville Cr.	64	Sec.	5,000	6,000	900 E
SUBTOTALS				6,734	7,734	1,160
TOTALS FOR SUBBASIN				17,384	18,384	4,208

TABLE III-15a
SOURCES OF SEWAGE POLLUTION - ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES
SUBBASIN NO. 14 - KANKAKEE RIVER - SPOON RIVER

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
BUREAU COUNTY - ILLINOIS						
Princeton	Epperson Run	209-21-1	Sec.	6,000	6,000	900 E
Ladd	Spring Creek	219-7-2	Sec.	1,200	1,200	180 E
Spring Valley	Illinois R.	218	Pri.	5,300	5,300	3,710 E
Depue	Lake Depue	213	Pri.	1,920	1,920	1,536 E
Smaller Sources - Nine			1-Sec.	938	938	269 E
			8-Minor(1)	4,438	4,438	3,930
SUBTOTALS				19,796	19,796	9,525
GRUNDY COUNTY - ILLINOIS						
Gardner	Trib to Mazon & Ill.R.	264-23-2	Minor	1,041	1,041	937 E
Coal City	Dt. to Claypool Cr.	264-8-3	Minor	2,852	2,852	2,500 E
Morris	Illinois R.	264	Pri.	7,900	7,900	4,500 E
Smaller Sources - Seven			All Minor	2,881	2,881	2,570
SUBTOTALS				14,674	14,674	10,507
KANKAKEE COUNTY - ILLINOIS						
Smaller Sources - One			Minor	328	328	290
SUBTOTALS				328	328	290
KENDALL COUNTY - ILLINOIS						
Smaller Sources - Two			All Minor	334	359	320
SUBTOTALS				334	359	320

TABLE III-15b
ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
KNOX COUNTY - ILLINOIS						
Smaller Sources - One			Minor	802	802	700
SUBTOTALS				802	802	700
LA SALLE COUNTY - ILLINOIS						
Seneca	Rat Run Cr.	250-2	Pri.	1,675	1,675	1,257 E
Marseilles(2)	Illinois R.	246	Pri.	4,347	4,347	4,347 E
Mendota						
South Plant	Mendota Cr.	223-12-7	Sec.	4,000	7,500 E	2,250 E
East Plant	Second Cr.	223-12-7	Sec.	2,000	2,000	400 E
North Utica	Illinois R.	229	Pri.(3)	1,014	1,014	1,014 E
La Salle	Illinois R.	224	Pri.	11,000	11,000	7,150 E
Peru	Illinois R.	222	Pri.	10,460	10,460	6,800 E
Smaller Sources - Six			All Minor	2,544	2,544	2,302
SUBTOTALS				37,040	40,540	25,520
LEE COUNTY - ILLINOIS						
Smaller Sources - One			Minor	306	306	250
SUBTOTALS				306	306	250
LIVINGSTON COUNTY - ILLINOIS						
Dwight	Gooseberry Cr.	264-18-3-11	Sec.	3,086	3,086	466 E
Smaller Sources - Two			1-Minor	936	936	840 E
			1-Sec.	350	700 E	210
SUBTOTALS				4,372	4,722	1,516

TABLE III-15c
ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
MARSHALL COUNTY - ILLINOIS						
Henry	Illinois R.	196	Minor	2,278	2,278	2,000 E
Lacon	Illinois R.	189	Minor	2,175	2,175	1,950 E
Toluca	N.Br. Crow Cr.	182-16-9	Sec.	1,200	1,200	180 E
Smaller Sources - Two			All Minor	1,434	1,434	1,290
SUBTOTALS				7,087	7,087	5,420
MASON COUNTY - ILLINOIS						
Havana	Illinois R.	120	Pri.	3,400	3,400	2,210 E
SUBTOTALS				3,400	3,400	2,210
PEORIA COUNTY - ILLINOIS						
Elmwood	W.Fk. Kickapoo Cr.	160-19-13	Sec.	1,800	1,800	270 E
N. Chillicothe	Senachwine Cr.	182-1	Minor	2,259	2,259	2,000 E
Chillicothe	Illinois R.	180	Minor	3,054	3,054	2,740 E
Rome (u)	Illinois R.	178	Minor	1,347	1,347	1,010 E
El Vista	Tr. to Kickapoo Cr.	160-7	Minor	2,000	2,000	1,800 E
Bellevue	Illinois R.	160-4	Minor	1,561	1,561	1,405 E
Peoria SD	Illinois R.	162	Sec.	119,700	260,000	40,000
Glasford	Illinois R.	146 (4)	Sec.(4)	1,012	1,010	1,010(4)
Smaller Sources - Fourteen			4-Sec.	1,625	1,625	272
			9-Minor	3,354	3,354	2,980
SUBTOTALS			1-None	137,862	278,160	53,637
PUTNAM COUNTY - ILLINOIS						
Granville	Ill. R.	214-5-2	Minor	1,048	1,048	940 E
Smaller Sources - Four			All Minor	1,227	1,227	1,090
SUBTOTALS				2,275	2,275	2,030

TABLE III-15d
ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
TAZEWELL COUNTY - ILLINOIS						
Washington	Farm Cr.	162-13	Sec.	5,700	5,700	853 E
Rolling Meadows	Farm Cr.	162-3-5	Sec.	1,000	1,000	50 E
Sunnyland	Farm Cr.	162-2	Minor	1,000	1,000	875 E
E. Peoria	Illinois R.	162-1	Pri.	10,000	10,000 E	7,500 E
Creve Coeur	Illinois R.	158-2	Minor	6,684	6,684	5,900 E
North Pekin	Illinois R.	157	None	2,025	2,025	2,025
Marquette Heights	Illinois R.	157	Sec.	2,517	2,517	1,760 E
Delavan	Br. of Main Dt.	124-29	Minor	1,377	1,377	1,300 E
Pekin	Illinois R.	153	Pri.	23,000	23,000	16,100 E
South Pekin	Lost Cr.	151-1-4	Minor	1,007	1,007	860 E
Smaller Sources - Eight			4-Sec.	1,550	1,550	282
			4-Minor	1,952	1,952	1,705
SUBTOTALS				57,812	57,812	39,210
WOODFORD COUNTY - ILLINOIS						
Washburn	Snag Cr.	181-11	Minor	1,064	1,064	930 E
Smaller Sources - Two			1-Sec.	250	250	210
			1-Minor	237	237	24
SUBTOTALS				1,551	1,551	1,164
TOTALS FOR SUBBASIN				287,007	431,812	152,299

(1) Minor treatment indicates Home Septic Tanks with effluent to community sewer systems or other channels that discharge directly into the water courses.
(2) Plant to be built by June 1962.
(3) Plant under construction, raw at present time.
(4) Plant under construction.

TABLE III-16a

SOURCES OF SEWAGE POLLUTION - ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES

SUBBASIN NO. 15 - SPOON RIVER TO GRAFTON, ILLINOIS

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
ADAMS COUNTY - ILLINOIS						
Camp Point	Buttermilk Cr.	71-29	Sec.	1,100	1,100	113 E
SUBTOTALS				1,100	1,100	113
CALHOUN COUNTY - ILLINOIS						
Hardin	Illinois R.	21	Pri.	1,000	1,000	650 E
SUBTOTALS				1,000	1,000	650
CASS COUNTY - ILLINOIS						
Ashland	Indiana Cr.	80-28	Minor(1)	1,064	1,064	930 E
Virginia	Clear Cr.	80-16	Sec.	1,590	1,590	239 E
Beardstown	Illinois R.	89	None	6,294	6,294	6,294 E
SUBTOTALS				8,948	8,948	7,463
FULTON COUNTY - ILLINOIS						
Astoria	Dt. to Harris Bn.	102-6	Pri.	1,200	1,200	780 E
Smaller Sources - One			Sec.	470	470	70
SUBTOTALS				1,670	1,670	850
GREENE COUNTY - ILLINOIS						
Roodhouse	Dt. to Seminary Cr.	38-18-9	Sec.	2,352	2,352	470 E
White Hall	Seminary Cr.	38-18-6	Sec.	3,012	3,012	450 E
SUBTOTALS				5,364	5,364	920

TABLE III-16b

ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles Above Mouth of Ill. Riv. (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
MORGAN COUNTY - ILLINOIS						
Jacksonville						
North Plant	Mauvaise Terre Cr.	62-28	Sec.	4,290	5,800	870
South Plant	" " "	62-28	Sec.	19,800	48,400	6,050
Waverly	Apple Cr.	38-43	Sec.	1,375	1,375	206 E
SUBTOTALS				25,465	55,575	7,126
PIKE COUNTY - ILLINOIS						
Griggsville	Dt. to S. Fk. McKee Cr.	60-4	Sec.	1,100	1,100	165 E
SUBTOTALS				1,100	1,100	165
SCOTT COUNTY - ILLINOIS						
Winchester	Big Sandy Cr.	49-11	Sec.	1,657	1,657	249 E
Smaller Sources - One			Sec.	770	770	115 E
SUBTOTALS				2,427	2,427	364
TOTALS FOR SUBBASIN				47,074	77,184	17,651

(1) Minor treatment indicates Home Septic Tanks with effluent to Community Sewer Systems or other channels that discharge into the watercourses.

TABLE III-17a
SOURCES OF SEWAGE POLLUTION - LAKE MICHIGAN
SUBBASIN NO. LM_{16} - CALUMET RIVER COMPLEX

Community, Sewer or Sanitary District, Institution (1)	Receiving Stream (Direct) (2)	Miles From Lake Michigan (3)	Treatment (4)	Estimated Population Connected to Sewers (5)	Estimated Sewered Population Equivalent (BOD Basis) Untreated (6)	Discharged (7)
LAKE COUNTY - INDIANA						
Crown Point	Beaver Dam Ditch	37	Sec.	8,000	3,320	500
Griffith (Part)	Turkey Cr.	18-8	Minor	2,400	2,400 E	1,900 E
St. John Twp. Uninc. Area	Turkey Cr.	18-7	Minor	3,300(a)	650 E	650 E
Independence Hill	Turkey Cr.	18-6	Minor	1,825(b)	X	X
Lincoln Gardens	Turkey Cr.	18-6	Sec.	1,000	1,000 E	15 E
Ross Twp. Uninc. Area	Turkey Cr.	18-5	Minor	14,855(c)	3,000 E	3,000 E
Hobart Twp. Uninc. Urbanized Area	Deep R.	18	Minor	8,920(d)	1,800 E	1,800 E
Hobart (Part)	Deep R.	16	Sec.	14,000	6,000(e)	3,725
Hobart (Part)	Deep R.	16	Minor	4,680	4,680 E	4,000 E
Black Oak-Ross(f)	Little Cal. R.	8-6	Minor	6,000	6,000 E	5,280 E
Gary SD Main Plant(g)	Grand Cal. R.	4-7	Sec.	174,230	310,000	18,900
East Chicago	Grand Cal. R.	4	Sec.	64,800	59,400	9,640(h)
Smaller Sources - Ten			9 Sec.	2,120	2,120	400
			1 Minor	600	300	265
SUBTOTALS				306,730	400,670	50,075
PORTER COUNTY - INDIANA						
Chesterton(i)	Little Cal. R.	1-7	Minor	4,000	4,000 E	4,000 E
Porter(j)	Little Cal. R.	1-6	Minor	1,200	1,200	1,020 E
Valparaiso	Salt Cr.	1-1-16	Sec.	15,000	13,450	460
Smaller Sources - Three			All Sec.	740	740	110 E
SUBTOTALS				20,940	19,390	5,590
TOTALS FOR SUBBASIN				327,670	420,060	55,665

Footnotes on following page.

TABLE III-17b
LAKE MICHIGAN SUBBASIN NO. LM_{16}

(a) 1,000 in Calumet-Sag basin. Remainder are served by septic tank systems with some systems operating improperly. An undertermined amount reaches Turkey Cr.

(b) Served by septic tank systems with unknown amount discharged to Turkey Cr.

(c) Gary SD sewers serve 1,400. Remainder are served by septic tank systems with subsurface discharge. An undetermined amount reaches Turkey Cr.

(d) Gary SD sewers serve several hundred people. The remainder are served by septic tank systems with subsurface discharge. An undetermined amount reaches Turkey Cr.

(e) Secondary treatment began March, 1962.

(f) About 17,000 in Cal-Sag basin; 6,000 in LM_{16}. Due to local weather conditions and dredging operations, 0-90% of this area may drain eastward into Lake Michigan. Many septic tank systems operating improperly or systems are inadequate.

(g) Gary Main Plant serves all of Gary except the Miller area. Outside Gary, a large shopping center and nearby subdivisions are also served by the main plant sewers. These include: Meadowland Estates - 700; Meadowdale - 700; and several small subdivisions. Altogether, about 1,700 people outside Gary are served by the Gary SD Main Plant sewers. An undetermined percentage of the Gary Main Plant discharged waste goes into Lake Michigan.

(h) An undetermined percentage of the discharged waste goes into Lake Michigan.

(i) Sewage treatment plant under construction.

(j) Engineer is preparing plans.

TABLE III-18

INDUSTRIAL WASTE CONTROL AT INSPECTED PLANTS

No. of Plants	Treatment Facilities
10	Oil Separation
3	Oil Separation & Sedimentation
8	Sedimentation
1	Chemical Flocculation & Sedimentation
2	Filtration
3	Grease Separation
1	Neutralization
1	Neutralization & By-Product Recovery
1	Neutralization & Oil Separation
2	Neutralization & Sedimentation
3	Oil Reclamation
5	Savealls
1	Chemical Flocculation & Saveall
3	By-Products Recovery
1	By-Products Recovery & Digestion
3	Discharge to City Sewerage Facilities
6	No Treatment
TOTAL 54	

TABLE III-19a

INDUSTRIAL WASTE SOURCES IN THE SUBBASINS
OF THE ILLINOIS RIVER SYSTEM

River Mileage	P.H.S. Industrial Classification	Map Location Code	Effluent M.G.D.	P.E. (5-Day B.O.D.)	Waste Type
		NORTH BRANCH CHICAGO RIVER			
I-325.6-3.0	(1)	N-1	0.42	11,500(2)	Putrescibles.
I-325.6-2.0	28C,20Q	N-2	17.50	1,200	Fatty Acids.
I-325.6-1.4	31A	N-3	0.11	2,100(2)	Tannery.
	39,261.34A,34B 34C,28A	Nine Other Plants	0.72	1,500	Oil, Metal Finishing & Plating, Sanitary, Paper.
SUBTOTAL			18.75	16,300	
		ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES LAKE MICHIGAN TO KANKAKEE RIVER			
I-327.0	20A	I-1	9.	3,600(2)	Sugars.
I-321.6	22E	I-2	0.18	7,000	Hog Hair Processing.
I-320.6	20A	I-3	0.40	20,000(2)	Sugars.
I-317.4	29E	I-4	0.17	1,600	Oil Processing.
I-314.8	39	I-5	21.	144,000(2)	Oil, Sanitary, Organic Chemicals, Putrescibles, Acid.
I-313.3	33E,29E,20P 39,33B,34I,28B	I-6 (Eighteen Plants)	4.95	29,000(4)	Oil,Sanitary, Organic and Inorganic Chemicals, Metal Finishing & Plating.
I-290.7-2.4	29A	I-7	50.	40,000	Refinery, Sanitary.
I-289.8	26H	I-8	3.	16,000	Paper, Sanitary.
I-288.9-7.8	29A	I-9	68.	25,000	Refinery, Sanitary.

TABLE III-19b

INDUSTRIAL WASTE SOURCES IN THE SUBBASINS
OF THE ILLINOIS RIVER SYSTEM

River Mileage	P.H.S. Industrial Classification	Map Location Code	Effluent M.G.D.	P.E. (5-Day B.O.D.)	Waste Type
		ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES LAKE MICHIGAN TO KANKAKEE RIVER (Cont')			
I-288.9-0.2	34H	I-10	21.	1,000	Oil, Mill Scale, Metal Finishing & Plating.
I-286.5-0.1	39	I-11	0.12	2,000	Laundry, Sanitary.
I-284.5	34I	I-12	0.80	1,000	Oil, Plating.
I-280.0	28B	I-13	0.65	92,500	Organic & Inorganic Chemicals
	39,34I,34C,33E 28A,28C,20R	Twelve Other Plants	11.38	4,400	Oil,Sanitary, Plating, Phosphates, Organic & Inorganic Chemicals, Laundry, Acid, Mill Scale
SUBTOTAL			190.65	387,100	
		CALUMET SAG CHANNEL AND TRIBUTARIES			
I-303.4-26.6	33C,29B	C-1	37.	19,200(2)	Coke Plant, Flue Dust.
I-303.4-26.2	33E,33C,29B	C-2	85.	10,000(2)	Coke Plant, Oil, Pickling, Mill Scale, Flue Dust.
I-303.4-25.2-3.7	28C.20Q	C-3	10.	18,000	Fatty Acids.
I-303.4-25.2	28A	C-4	4.	3,200(2)	Organic and Inorganic Chemicals.
I-303.4-25.1	20Q	C-5	0.40	4,400	Fatty Acids.
I-303.4-24.1	34I	C-6	0.50	3,000	Metal Finishing & Plating.
I-303.4-21.9	28B	C-7	1.50	1,800	Phenolics and Other Organic Chemicals.
I-303.4-18.0	33C,33E	C-8	48.	1,500	Oil, Pickling, Mill Scale.

TABLE III-19c

INDUSTRIAL WASTE SOURCES IN THE SUBBASINS
OF THE ILLINOIS RIVER SYSTEM

River Mileage	P.H.S. Industrial Classification	Map Location Code	Effluent M.G.D.	P.E. (5-Day B.O.D.)	Waste Type
		CALUMET SAG CHANNEL AND TRIBUTARIES (Cont'd)			
I-303.4-16.3-8.9-11.2	20F,24,28A,28B 29E,33A,34A 34B,34H	C-9 (Twenty Plants)	8.	4,700(3)	Organic and Inorganic Chemicals, Oil, Metal Finishing & Plating.
I-303.4-13.3	29A	C-10	27.60	21,000	Refinery.
	39,33C,33E	Seven Other	94.08	900	Oil, Pickling, Coke Plant,
	34C,28A,29B	Plants			Metal Finishing & Plating, Organic and Inorganic Chemicals, Mill Scale
SUBTOTAL			316.08	87,700	
		DES PLAINES RIVER			
	34A,34C,39 20H,20R,30A	Fourteen Plants	1.15	4,000	Oil, Rubber, Food Processing, Metal Finishing & Plating, Inorganic Chemicals.
SUBTOTAL			1.15	4,000	
		DU PAGE RIVER			
	39,34B,34C 34I,28A,20R	Twelve Plants	1.12	2,000	Metal Finishing & Plating, Inorganic Chemicals, Oil, Food Processing.
SUBTOTAL			1.12	2,000	

TABLE III-19d

INDUSTRIAL WASTE SOURCES IN THE SUBBASINS
OF THE ILLINOIS RIVER SYSTEM

River Mileage	P.H.S. Industrial Classification	Map Location Code	Effluent M.G.D.	P.E. (5-Day B.O.D.)	Waste Type
		KANKAKEE RIVER			
I-272.8-35.7-54.7	20P	K-1	0.02	2,000	Tankage.
I-272.8-35.7-31.6-23.9	20C	K-2	0.08	5,000(5)	Canning.
I-272.8-9.6	26H	K-3	0.40	4,600	Paper Asphalt.
	26H,34C,39, 29E,20R	Seven Other Plants	0.50	2,400	Oil, Paper, Canning, Metal Finishing & Plating.
SUBTOTAL			1.00	14,000	
		FOX RIVER			
I-239.7-114.0-7.6-L9.7	20F	F-1	0.10	1,300	Meat Packing.
I-239.7-96.0-6.0	20R	F-2	0.70	4,000	Sugars, Nutrients, Yeast.
I-239.7-73.0	20F	F-3	0.12	1,900	Meat Packing.
I-239.7-58.0	39	F-4	0.58	1,100	Cellulose.
I-239.7-35.9-25.9	20F	F-5	0.23	1,400	Meat Packing.
	20C,20F,34A 34C,14,39	Twenty Other Plants	0.75	10,000	Canning, Meat Packing, Metal Finishing & Plating, Stone Cutting, Organic & Inorganic Chemicals
SUBTOTAL			2.48	19,700	
		VERMILION RIVER			
	28A,28C	Three Plants	1.25	600	Acid, Phosphates, Inert Solids
SUBTOTAL			1.25	600	

TABLE III-19e

INDUSTRIAL WASTE SOURCES IN THE SUBBASINS
OF THE ILLINOIS RIVER SYSTEM

River Mileage	P.H.S. Industrial Classification	Map Location Code	Effluent M.G.D.	P.E. (5-Day B.O.D.)	Waste Type
		MACKINAW RIVER			
I-151.1-28.2-12.0	20C	M-1	0.03	1,000(5)	Canning.
SUBTOTAL			0.03	1,000	
		SPOON RIVER			
	20C,30A	Two Plants	0.06	300(5)	Canning, Rubber, Sanitary, Inorganic Chemicals.
SUBTOTAL			0.06	300	
		SANGAMON RIVER			
I-97.7-53.2	26H	S-1	1.10	4,000	Paper.
I-97.7-36.4-15.4	20G	S-2	0.05	1,000	Poultry.
I-97.7-12.0-6.5	20F	S-3	0.03	1,000	Meat Packing
	20F,20G	Eight Other	1.00	5,500	Canning, Poultry, Sanitary, Soybean, Organic and Inorganic Chemicals, Acid Mine Drainage, Oil, Coal Washing, Meat Packing.
	20C,20Q	Plants			
SUBTOTAL			2.18	11,500	

TABLE III-19f

INDUSTRIAL WASTE SOURCES IN THE SUBBASINS
OF THE ILLINOIS RIVER SYSTEM

River Mileage	P.H.S. Industrial Classification	Map Location Code	Effluent M.G.D.	P.E. (5-Day B.O.D.)	Waste Type
		ILLINOIS RIVER SYSTEM & MINOR TRIBUTARIES KANKAKEE RIVER TO SPOON RIVER			
I-264.2	26H	I-14	3.	10,200	Paper.
I-246.6	26H	I-15	1.	9,000	Paper.
I-165.5	26E	I-16	0.60	3,000	Pulp & Paper.
I-162.0	34I	I-17	9.	1,500	Oils, Plating.
I-161.3	20-0	I-18	12.	50,000	Fermentation and Distillation.
I-161.0	20F	I-27	1.80	12,500	Meat Packing.
I-160.2	26H	I-19	1.50	4,000	Paper.
I-160.1	20-0,28A	I-20	4.70	30,000	Fermentation and Distillation, Organic and Inorganic Chemicals.
I-157.8	34I	I-21	70.	1,500	Oil, Mill Scale, Plating, Pickling.
I-151.7	20R	I-22	17.	86,000	Grain, Sugars.
I-151.5	20-0	I-23	8.5	31,500	Fermentation, Distillation.
I-151.3	26H	I-24	1.20	5,000	Paper.
I-151-0	20R	I-25	5.50	175,000	Grain, Sugars.
I-148.1	28B,28C	I-26	2.30	6,500	Sanitary, Fatty Acids, Other Organic and Inorganic Chemicals.
	39,34I, 28A,28B,28C	Five Other Plants	3.60	1,200	Plating, Organic and Inorganic Chemicals, Acid
SUBTOTAL			141.70	426,900	
GRAND TOTAL			676.45	971,100	

TABLE III-19g

INDUSTRIAL WASTE SOURCES IN THE SUBBASINS
OF THE ILLINOIS RIVER SYSTEM

(1) Garbage incinerator.

(2) 24-hour PE value estimated from eight hour observations.

(3) Total PE value of industries drained by the State Street Ditch.

(4) Total PE value of industries drained by the Summit-Lyons Conduit.

(5) Adjusted PE value from seasonal industries.

TABLE III-19h

P.H.S. INDUSTRY CODE

11	Coal Mining and Processing
14	Quarrying
20A	Sugar Refining
20C	Canning-Vegetables
20F	Meat Packing
20G	Poultry Processing
20H	Milk Receiving
20-0	Distillery
20P	Rendering
20Q	Vegetable Oil Manufacture
20R	Food-Miscellaneous
22E	Fur and Hair
24	Wood Products
26E	Jute or Hemp Paper Mill
26H	Paper Board Mill
26I	Paper Mill - Miscellaneous
28A	Basic Chemicals
28B	Intermediate Chemicals
28C	Finished Chemicals
29A	Petroleum Refining
29B	By-Product Coke Plant
29E	Petroleum Miscellaneous
30A	Rubber Products
31A	Tanning
33A	Ferrous Metal Manufacture
33B	Non-Ferrous Metal Manufacture
33C	Blast Furnace
33E	Ferrous Rolling Mills
34A	Ferrous Metal Fabrication
34B	Non-Ferrous Metal Fabrication
34C	Metal Plating
34H	Fabricated Metal-Rolling Mills
34I	Metal Fabricating - Miscellaneous
39	Miscellaneous Manufacturing

TABLE III-20

INDUSTRIAL WASTES TO LAKE MICHIGAN M16

Industry Classification	No.	Map Location Code	Effluent MGD	PE
Food and Kindred Products (20)	1	M-2	11	44,000 (a)
Paper and Allied Products (26)	2	M-8, M-11	2	6,000 (b)
Chemical and Allied Products (28)	3	M-7, M-3 *	67	35,000 (a)
Petroleum Refining (29)	4	M-3, M-4, M-5, M-6	242	266,000 (a)
Primary Metal Industry (33)	6	M-1, M-9, M-10 M-12 *	1660	460,000 (b)
TOTAL			1982	811,000

* Two plants are not shown in Figure III-1.

(a) Industry and State Records

(b) Estimate

TABLE III-21a

FIELD INVESTIGATION OF ABOVE-WATER OUTFALLS

Upper Illinois River System

Sampling Station	No. of Outfalls Between Stations	Flow GPM	Gross PE (BOD)8-hr.	Net PE (BOD 8-hr.)	Est. PE 24 Hour
1					
2	0	-	-	-	-
3	0	-	-	-	-
4	2	275	345	334	700
5	0	-	-	-	-
6	0	-	-	-	-
7	0	-	-	-	
8	4	196	3,933	3,893	7,800
9	6	13,131	4,388	3,256	10,800
10	0	-	-	-	-
11	7	4,385	2,266	1,913	2,300
J	0	-	-	-	-
12	1	350	77	38	100
13	4	3,160	22,819	22,756	68,500
14	11	2,476	4,875	4,455	9,500
15	7	1,135	867	714	1,200
16	3	16,100	51,352	49,286	148,000
17	2	3,024	9,935	9,078	29,700
18	0	-	-	-	-
J	0	-	-	-	-
19	0	-	-	-	-
20	3	7,175	1,642	531	1,600

TABLE III-21b

FIELD INVESTIGATION OF ABOVE-WATER OUTFALLS (Continued)

Upper Illinois River System

Sampling Station	No. of Outfalls Between Stations	Flow GPM	Gross PE (BOD) 8-hr.	Net PE (BOD) 8-hr.	Est. PE 24 Hours
28					
29	31	180,160	33,115	14,292	41,000
40	2	4,250	2,606	2,091	4,200
32	5	3,439	1,404	1,073	3,200
33	10	40,390	4,901	1,360	4,000
J	0	-	-	-	-
35	1	7	-	-	-
36	3	30,185	16,413	11,193	33,600
37	2	450	254	198	700
38	1	382	606	546	1,600
39	0	-	-	-	-
J	0	-	-	-	-
Total Observed	105	310,700	161,800	127,000	368,500
Included in municipal and industrial inventory	63	299,300	130,600	96,900	283,300
Additional loading	42	11,400	31,200	30,100	85,200

TABLE III-22

FIELD INVESTIGATION OF ABOVE-WATER OUTFALLS

Illinois River System Mile 143 to Mile 166

River Mileage	No. of Outfalls	No. of Observations	Flow GPM	Est. PE
143	0	-	-	-
150	1	4	1,510	430
151	9	55	26,000	320,300
152	3	16	3,900	14,100
153	0			
161	7	57	7,800	45,900
162	4	12	600	500
163	3	14	850	5,100
164				
Total	27	158	40,660	386,330